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ILD000672329 Sauget Sites Area #2 Sauget and Company Landfill (Site Q) Sauget WWTP (Site 0) L1631210020/St. Clair Co. Sauget Toxic (Site R) ILD980606982 L1631210001/St. Clair Co. ILD000665836 Route 3 Drum Site (AKA Krummrich L1631210003/St. Clair Co. ILD980498059

L1631210012/St. Clair Co. L1631210006 St. Clair Co. W.G.Plant)

CERCLA Screening Site Inspection Report



Illinois Environmental **Protection Agency** P.O. Box 19276 Springfield, IL 62794-9276

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1. INTRODUCTION

On January 24, 1991, the Illinois Environmental Protection Agency's (IEPA) Pre-Remedial Unit was tasked by the United States Environmental Protection Agency (USEPA) to conduct a Screening Site Inspection (SSI) of Sauget Sites Area #2.

Environmental and human health concerns arise from many problem sites and potential areas of contamination in Sauget and northern Cahokia. Over time, USEPA has added these sites to the Comprehensive Environmental Response Compensation and Liability Act's Information System (CERCLIS), in response to requests for discovery by IEPA and other agencies. The sites have been evaluated in the past by Preliminary Assessments (PA's) conducted by IEPA and USEPA contractors. IEPA's Pre-Remedial Unit prepared a SSI work plan for Sauget Sites Area \$2 that was submitted to USEPA Region V in June, 1991. The sampling portion of the SSI was conducted in June, 1991 when personnel from the Agency Pre-Remedial Unit collected twelve samples (one groundwater and eleven soil/sediment).

The purpose of an CERCLA SSI have been stated by USEPA in a directive outline of Pre-Remedial Program strategies. The directive states:

All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the most critical date requirements for the listing SI step. A Screening Si will not have rigorous date quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will

then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA (Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.

The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI. (USEPA 1988)

The Region V offices of the USEPA have also requested that the IEPA identify sites during the SSI that may require removal action to remediate an immediate human health and/or environmental threat.

2. SITE BACKGROUND

2.1 INTRODUCTION

This section includes information obtained over the course of the formal CERCLA SSI investigation, as well as previous IEPA, USEPA and local industry sponsored investigations of the Sauget Sites Area #2.

2.2 SITE DESCRIPTIONS

Sauget Sites Area #2 (also referred to as Area #2 Sites or just Sites for the purposes of this report) include at least 5 sources of contamination near the Mississippi River in Sauget and northern Cahokia. The five aggregated Sites include three large landfills, a sludge lagoon system and a small oil reclamation facility. A 4-mile radius map can be viewed in Appendix A. The following index lists the common site name, followed by the name as entered on CERCLIS and the corresponding ILD number.

| Site O | Sauget WWTP | ILD | 000672329 |
|----------------------|-----------------------------|-----|-----------|
| Site Q | Sauget and Company Landfill | ILD | 000605790 |
| Site R | Sauget Toxic | ILD | 980606982 |
| Bliss Waste Oil | (same) | ILD | 000665836 |
| Route 3 Drum Site | Krummrich W.G. Plant | ILD | 980498059 |

The names and information for each of the Sites is tabled on page 2-3. The map on the following page shows the Sites location with respect to the State of Illinois.

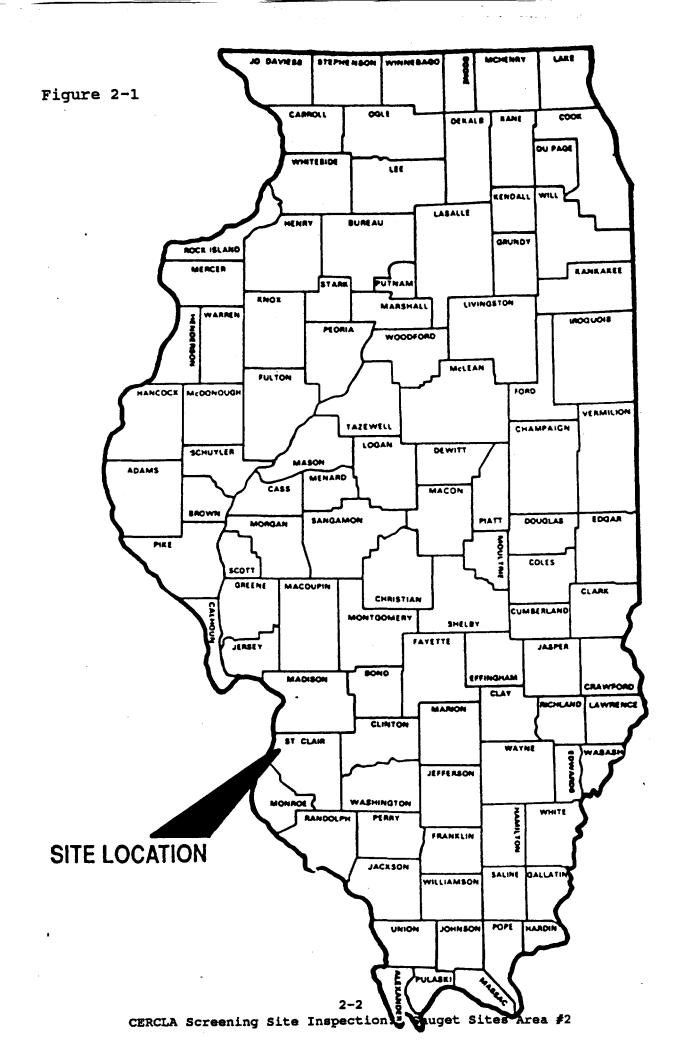


Table 2-1

Aggregated Sources at Sauget Sites Area #2

| Site <u>Name</u> | Source <u>Type</u> | Source <u>Size</u> | Years of Operation | Owner at <u>that Time</u> | Observed Contamination |
|-----------------------|-------------------------------|-----------------------|-----------------------|--------------------------------------|----------------------------|
| 0 | 4 Sludge Lagoons | approx. 20 ac. | 1967-1978 | Village of Sauget | Soil, GW |
| Q | Landfill | approx. 90 ac. | 1962-1975 | Cahokia Trust- Paul Sauget | Soil, GW, air, SW |
| R | Landfill | 36 ac. | 1957-1974 | Monsanto Chemical Co. | Soil, GW, air, SW, Fish |
| Bliss Waste Oil | LUST/ Contaminated Soil | approx. 2 ac. | 1979-1983 | leased by Clayton Chemical Co. | Soil |
| Rt. 3 Drum Site | Landfill | approx. 0.3 ac. | mid to late 1940's | Monsanto Chemical Co. | Soil, GW |

Abbreviations: ac.-acre(s), approx.-approximately, Co.-Company, GW-Growndwater, LUST-leaking underground storage tank, Rt.-Route, SW-Surface Water.

A brief description of each of the five Sites is contained within the preceding paragraphs. Each site is depicted with relation to one another, in the map on the following page.

Site O of the Area #2 Sites consists of four covered sludge dewatering lagoons associated with the old Sauget Waste Water Treatment Plant (WWTP). The site covers approximately 40 acres in an industrialized area of Sauget, namely, Mobile Avenue. The former sludge lagoons occupy about 20 acres south of the old treatment plant buildings. These buildings now serve as the Physical/Chemical (P-Chem), pretreatment operation for the recently built American Bottoms WWTP. The access road to the new WWTP, southwest of



Source: IEPA, 1991. Base Map: USGS, 1974 Cahokia, IL-MO

Approximate Scale: 1"=2000'

FIGURE 2-2 SITE LOCATION MAP

Site O, bisects the covered lagoons. The village of Sauget still retains ownership of the site.

Site O of the Area #2 Sites is an inactive waste disposal facility, formerly operated by Sauget and Company (Paul Sauget) and Browning-Ferris Industries (BFI). The site covers approximately 90 acres between the east bank of the Mississippi River and the Army Corps of Engineers (COE) 500year levee. The northern one-third (the panhandle section) of Site Q is situated directly east of Site R. Coal and cinders are present on in the northern half of the property were Peavey Incorporated leases the property to operate their coal and grain unloading and transfer facility. Wetlands abound in the unoccupied southern half of Site Q. wetlands include two small ponds located in the east-central portion and two lakes at the southern end of site. Random dumping is evident in this area, where access is not controlled. Eagle Marine Industries, Incorporated is the current owner of most of the property. Cahokia Trust-Don C. Elsaesser, is owner of a small parcel within the southern part of the site.

Site R of the Area #2 Sites is an inactive industrial waste landfill, owned by the Monsanto Chemical Company and operated by Sauget and Company. An alias for Site R is the Sauget Toxic Dump which covers 36 acres immediately north and west of Site Q. The capped landfill is not protected from flooding as the COE 500-year levee is east of the site. A

strip of land separates the west border of Site R from the Mississippi River. The north portion of the western boundary is adjacent to a former Union Electric power plant. A small part of the Site R landfill was constructed from a 12-acre fly ash pond that was used by Union Electric. Solid, liquid and sludge type wastes from the Monsanto Krummrich Plant in Sauget, their Queeny and Carondelet Plants in St. Louis, Missouri and their Ag Chemical Plant in Muscatine, Iowa (manufactured DDT) were landfilled at the site from 1957 till 1978. On numerous occasions, IEPA and USEPA field personnel have observed leachate flows from Site R entering the river. The leachate seeps are less obvious now that Monsanto ripraped the riverbank. Monsanto maintains a tight security around the fenced site including surveillance cameras.

Located between Site O and the panhandle of Site Q, are two RCRA regulated, hazardous waste treatment facilities:
Clayton Chemical Company and Trade Waste Incineration. Trade Waste Incineration provides waste destruction services to generators while Clayton Chemical operates a solvent recovery facility.

In a northern portion of Clayton Chemical's property, is an area that was leased to Bliss Waste Oil Company (AKA A-1 Oil), another of the Sauget Area #2 Sites. Jerry Russell Bliss and his father, Russell Bliss operated a waste oil recovery facility which utilized four, 17,000 gallon, above ground tanks and one leaking underground storage tank (LUST). Russell Bliss explained that the LUST was used only to decant

oil/water mixes. Allegedly, the LUST and 4 other tanks were used to store waste oils containing 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD). The LUST and associated contaminated soil has since been excavated and disposed of off-site.

The Route 3 Drum site is also included as a Area #2
Site. The site is located west of Illinois Route 3, on a parcel of land which is referred to as Lot F by the owner,
Monsanto Chemical Company. The landfill is due north of where the Alton and Southern Railroad tracks and the Terminal Railroad Association tracks cross each other. According to the consulting firm hired by Monsanto, the 250 feet by 50 feet landfill was used by Monsanto to dispose of approximately 5000 drums of nitrochlorobenzenes in the mid to late 1940's. During Monsanto's attempt at remediation of the site in 1985, it was discovered that most of the buried 55-gallon drums in the pit, had disintegrated, making incineration to costly. Monsanto then capped and fenced the site.

Areas lying between the five aggregated Sauget Area #2 Sites, may also be contaminated. For instance, a separate area of contamination at Site O was identified by IEPA in 1983. Sample analysis revealed high concentrations of TCDD and polychlorinated biphenyls (PCB's) in surface soils in an area northwest of the former sludge lagoons. Contaminated soil and gravel was removed from this area and is stored in an enclosed part of the P-Chem pretreatment facility.

Allegations from anonymous sources, claim that areas between the American Bottoms WWTP and Clayton Chemical Company are also contaminated.

2.3 SITE HISTORIES

Previous reports have documented the Site histories.

The following paragraphs and tables summarize pertinent data associated with each of the Sites, including estimated waste quantities and past sample results. Table 2-2 shows how each of the Sites are interrelated with respect to owners, operators and users/disposers, which is one of the reasons these sites were aggregated.

Table 2-2

Site Ownership, Operators and Users/Disposers

Site O Landowners

- Village of Sauget
- Clayton Chemical Company (past owner of the site)

Site O Operators

- Sauget Sanitary Development & Research Association
- Goldfields American Corporation (successor firm to American Zinc Company who operated the Amex site)
- Blue Tee Corporation (successor firm to American Zinc Company who operated the Amex site)

Site O Users/Disposers

- Clayton Chemical Company
- Amax Zinc Company
- Cerro Copper
- Midwest Rubber Reclaiming
- Mobil Oil Corporation
- Monsanto
- Wiese Planning and Engineering
- Sterling Steel Foundry, Inc.
- Rodgers Cartage

Site Q Landowners

- Eagle Marine Industries, Inc.
- Cahokia Trust (Donald C. Elsaesser, Robert H. McRoberts & Russell P. Richardson Trustees)
- St. Louis Union Trust
- Fred H. Leyhe
- Monsanto
- Notre Dame Fleeting & Towing Service, Inc.
- Phillips Pipeline Company
- Patgood Inc.

River Port Fleeting, Inc.

- River Port Terminal and Fleeting Company

<u>Site Q Operators</u>

- Sauget and Company
- Paul Sauget (as president/owner of Sauget and Company)
- Browning-Ferris Industries (BFI)
- Eagle Marine Industries, Inc. (terminal operators)
- Peavey Inc. (subsidiary of Con Agra successor to leaseholder at grain terminal
- Pillsbury, Inc. (terminal operator)
- Union Electric (operated flyash ponds on site)

Table 2-2 (continued)

Site O Users/Disposers

- Village of Sauget
- City of St. Louis
- Local Industries

<u>Site R Owners</u>

- Monsanto

Site R Operators

- Sauget and Company
- Paul Sauget (as president of Sauget and Company)

<u>Site R Users/Disposers</u>

- -Monsanto
 - Krummrich Plant in Sauget, IL
 - Queeny Plant in St. Louis, MO
 - Carondelet Plant in St. Louis, MO
 - Ag Chemical Plant in Muscatine, IA.

Route 3 Drum Site Owner/Operator/Disposer

- Monsanto

Bliss Waste Oil Site Owner

- Clayton Chemical Company
- Gulf Mobile and Ohio Railroad

Bliss Waste Oil Operators

- -A-1 Oil Company
- -Russell Bliss (of A-1 Oil Company)
- -Jerry Russell Bliss (son of Russell Bliss)

Bliss Waste Oil Users

 numerous local businesses and industries in Missouri and Illinois Waste Quantities for the lagoons at Site O have not been documented, although an estimate of the waste quantity by the once filled capacity of the lagoons would result in a volume of 64,533 cubic yards. This figure is based on 20 acres of lagoons with a thickness of 2 feet (as noted in site soil borings). A Notification of Hazardous Waste Site - CERCLA 103(c) form was submitted by the Village of Sauget on June 9, 1981 stating that an unknown amount of organics, inorganics, heavy metals, mixed municipal waste and unknown wastes from local industries were placed in the sludge lagoons.

Several Notification of Hazardous Waste Site - CERCLA 103(c) forms have been submitted for Site Q. One form was submitted by Paul Sauget for Sauget and Company on June 9, 1981 which lists 655,000 gallons of solvents, F-listed wastes, and heavy metals landfill at Site Q including buried drums of the waste materials. Another form was submitted on this date by the Pillsbury Company, which lists an unknown amount of mixed municipal and unknown wastes landfilled at Site Q. The Pillsbury Company also stated in the form that there were known releases to the environment. BFI also submitted a form June 9, 1981 which listed: organics, inorganics, solvents, pesticides, heavy metals, acids, sanitary sludge with small quantities of hazardous waste, small quantities of unknown hazardous wastes mixed with industrial/commercial/municipal/ household wastes, and paint sludges deposited in the landfill. Waste quantity information was not listed for BFI's submittal and further

attempts by IEPA to gain this information were futile as these records were destroyed by the company in 1986. BFI did submit affidavits to IEPA on March 27, 1990 from former employees stating that chemical wastes were in fact, dumped at site Q.

There is documentation in regard to the waste quantity deposited into Site R. In 1968, Monsanto estimated that approximately 35,470 cubic yards of waste were deposited in the landfill on an annual basis. This information was submitted to the State of Illinois Sanitary Water Board at that time. These wastes consisted of the following six major groups of organic compounds: phenols, aromatic nitro compounds, aromatic amines and aromatic nitro amines, chlorinated aromatic hydrocarbons, aromatic and aliphatic carboxylic acids, and condensation products of the above. By 1971, Monsanto estimated that the annual volume of material disposed in the landfill had fallen to about 18,400 cubic yards.

A Notification of Hazardous Waste Site - CERCLA 103(c), was submitted by the Monsanto Krummrich Plant on June 8, 1981. The waste quantities (organics, inorganics, solvents, pesticides and heavy metals) were estimated at 7,800,000 cubic feet for the landfill which included buried drums. Another form was submitted on the same date by the Monsanto Queeny Plant in St. Louis which listed 178,000 cubic feet of wastes (same as Krummrich Plant waste other than heavy metals) buried at Site R.

Waste quantities for the Bliss Waste Oil Site could be figured on the once filled capacity of the tanks which held the hazardous waste oils. The total capacity would amount to 72,000 gallons for the Site on the property owned by Clayton Chemical Company.

Waste quantity information for the Route 3 Drum Site is documented in the September, 1986 report by the Monsanto contractor, Geraghty & Miller, Incorporated. The Geraghty and Miller report states that the Monsanto Krummrich Plant files contain a drawing which indicates that approximately 5000 drums of nitrochlorobenzenes were buried at the Route 3 Drum Site.

The IEPA financed study of the Area #2 Sites included very little information on the Bliss Waste Oil Site and nothing on the Route 3 Drum Site. Therefore the following tables will only summarize the subsurface soil and groundwater results from Sites O, Q and R. Other sampling episodes performed by various contractors, confirm the soil and groundwater contamination at the Sites.

Table 2-3 Maximum Concentrations of Selected Contaminants in Subsurface Soils (mg/kg)

| Chemical Name | Site 0 | Site O* | Site R** |
|--------------------------|--------|---------|----------|
| Volatile Organics | | | |
| benzene | 30.7 | 44 | |
| chlorobenzene | 58.9 | 100 | |
| chloroform | | | |
| 1,2-dichloroethane | 0.2 | 12 | |
| trans-1,2-dichloroethene | 0.2 | 11 | |
| 4-methyl-2-pentanone | 7.7 | 250 | |
| tetrachloroethene | | 12 | |
| toluene | 29.5 | 2400 | |
| 1,1,1-trichloroethane | 1.4 | | |
| trichloroethene | 0.07 | 55 | |
| Semivolatile Organics | | | |
| phenol | | 250 | |
| 2-chlorophenol | | 360 | |
| 2,4-dichlorophenol | | 3100 | |
| 2,4,6-trichlorophenol | | 170 | |
| pentachlorophenol | 474.4J | 100 | |
| 1,2-dichlorobenzene | 100 | 620 | |
| 1,3-dichlorobenzene | | | |
| 1,4-dichlorobenzene | 112.8 | 1200 | |
| naphthalene | 34.6J | 380 | |
| PCB's | 1871 | 16000 | |
| Metals | | | |
| arsenic | 8 | | |
| cadmium | 31 | | |
| lead | 146 | | |
| nickel | 136 | | |

^{*} Results from 1983 investigation.

** Not sampled to avoid breaching integrity of clay cap.

J Estimated value - result is greater than zero, but less than specified detection limit.

⁻⁻ Not detected

Table 2-4

Maximum Concentrations of Selected Contaminants in Groundwater (ug/l)

| Chemical Name | Site 0 | Site O | <u>Site</u> R |
|--------------------------|--------|-------------|---------------|
| Volatile Organics | | | |
| benzene | 190000 | 2000 | 1500 |
| chlorobenzene | 150000 | 6700J | 8100 |
| chloroform*** | 3000J | 1 J | |
| 1,2-dichloroethane | 4000J | 3000 | 16000 |
| trans-1,2-dichloroethene | 94J | 4 J | |
| 4-methyl-2-pentanone | 38000 | 2700 | |
| tetrachloroethene | 10000 | | |
| toluene | 15000 | 1600J | 760J |
| 1,1,1-trichloroethane | 7800 | | |
| trichloroethene | 83000 | 2Ј | |
| Semivolatile Organics | | | |
| phenol | 500 | 190000E | 60000E |
| 2-chlorophenol | 120 | 33000E | 14000E |
| 2,4-dichlorophenol | 30J | 14000E | 14000E |
| 2,4,6-trichlorophenol | | 6000 | 2100 |
| pentachlorophenol | 23 | 35000E | |
| 1,2-dichlorobenzene | 7800 | 2000 | 340 |
| 1,3-dichlorobenzene | 320 | | |
| 1,4-dichlorobenzene | 10000E | 250 | 550 |
| naphthalene | 160 | 70 | 82J |
| PCB's | | | |
| Metals | | | |
| arsenic | 133 | 100 | 48 |
| cadmium | 8 | | |
| lead | | | |
| nickel | | | [18] |

- *** Detected previously at Site R up to 462 ug/l (P-7 in 11/88).
- J Estimated value result is greater than zero, but less than specified detection limit.
- E Estimated value amount detected in sample exceeds the calibration range.
- -- Not detected
- [] Value is greater than or equal to the instrument detection limit, but less than the contract required detection limit.

Leachate entering the Mississippi River from Site R has been photographed and sampled by IEPA and USEPA in October and November of 1981. The analytical data for these samples, may document an observed release to surface water. The table below summarizes the IEPA data from three seep (leachate) and three sediment samples collected October 2, 1981 from the riverbank at Site R.

Table 2-5

Maximum Concentrations of Selected Contaminants in
Leachate and Sediment Samples at Site R (ug/kg)

| Compound | Seep Sample | Sediment Sample |
|--|-------------|-----------------|
| +PCB's | 2.6 | 230 |
| toluene | 150 | ND |
| *chlorobenzene | 1600 | ND |
| +chloroaniline | 38000 | 6900 |
| *chloronitrobenzene | 21000 | 130 |
| *2,4-D | 17000 | 53 |
| dichloronitrobenzene | 790 | ND |
| *dichloroaniline | 2800 | 190 |
| chloronitroaniline | 84 | ND |
| nitroaniline | 100 | ND |
| chlorophenol | 30000 | 290 |
| +phenol | 22000 | ND |
| methylphenol | 570 | ND |
| +dichlorophenol | 32000 | 40 |
| nitrophenol | 600 | ND |
| biphenyldiol | 1700 | ND |
| *aniline | 550 | ND |
| methylbenzene sucponamid | e 2000 | ND |
| biphenol 2-01 | 300 | 310 |
| benzenesulfonamide | 630 | ND |
| +dichlorobenzene | 250 | ND |
| <pre>benzoic acid/derivatives hydroxybenzoic acid/</pre> | 12000 | ND |
| derivatives | 12000 | ND |
| 2,4-D isomer | 48000 | ND |
| 2,4,5-T isomer | 12000 | ND |

ND-not detected

USEPA's contractor, E&E collected another round of leachate and sediment samples from the riverbank at Site R one month later on November 12, 1981. The analytical results confirmed the presents of many of the compounds found in the previous IEPA collected leachate and sediment samples. The compounds in Table 2-5 tagged with an asterisk (*) were also detected in at least one of the three USEPA seep samples. The compounds tagged with a plus sign (+) were also detected in at least one of the three USEPA seep samples and, at least one of the three USEPA seep samples. Analysis of the split samples collected by Monsanto, likewise confirmed the findings.

On December 14, 1988, IEPA again collected leachate and sediment samples. TCDD and its isomers were analyzed for and detected in the samples, however, TCDD and its isomers were also detected at lower levels in an upstream sample and in the trip blank.

Mississippi River fish have also been studied adjacent to and downstream of the Sites. In a 1982 US Food and Drug Administration (FDA) study, 7 fish specimens caught near or below St. Louis were found to contain up to 1 part per million (ppm) chloronitrobenzenes. The specific residues found included 2-, 3- and 4-chloronitrobenzene and 2,3- and 3,4-dichloronitrobenzene. These compounds coincide with the compounds detected in the leachate and sediment samples collected at the riverbank of Site R.

In 1990, two fish specimens were collected adjacent Site R by the Illinois Department of Conservation for USEPA. The results of this study show that dioxin and furan isomers have bioaccumulated in the fish tissues at a total effective concentration (TEC) of 10.88 and 8.18 picograms per gram (pg/g). The levels are well above the nearest upstream (Illinois side) sample location where the TEC level was 1.73 pg/g in a comparative fish caught at Quincy, Illinois. The nearest upstream locations (West Alton, Missouri fish with TEC's of 7.99 and 0.50) are not considered comparative due to the confluence action of the Missouri and Mississippi Rivers.

Air samples were collected by IEPA's contractor over a 2-day period. On July 21 and 22 1987 air monitors were placed at six locations around Sites Q and R. The analysis of these samples revealed the presence of organic contaminants in four samples, from each day of sampling. The background (upwind) samples for each day showed no organics. PCB's were detected in two samples collected on the first day and one sample from the second day. The following maps and table from the report, summarizes this data.

Sample Number

| Compound | DC-15 | DC-15+ DC-16 DC-17+ | DC-17+ | DC-18 | DC-18 DC-19 | DC-20 | DC-21* | DC-22+ | DC-23 | DC-21* DC-22+ DC-23 DC-24+ DC-25 | DC-25 | DC-26 | DC-27 | DC-26 DC-27 DC-28* |
|-----------------------|-------|---------------------|--------|-------|-------------|-------|--------|--------|-----------|----------------------------------|-------|-------|----------|--------------------|
| benzene | 5878 | 61JB | 6138 | 7238 | 74.78 | NA | 17.78 | 71.78 | 9238 | 843B | 79JB | 76JB | ¥Σ. | 1878 |
| naphthalene | ł | ł | 1 | ł | 1 | ; | 1 | 1 | I | ŀ | 1 | 1 | ł | 1 |
| pyrene | ł | ł | 1 | 1 | ł | ł | 1 | 1 | ł | ı | | 1 | 1 | 1 |
| 1,1,1-trichloroethane | 22 | 37 | 1 | 1 | ł | i | 1 | 216 | 127 | 160 | ł | ŀ | ¥ | 1 |
| phenol | 1 | ł | ł | 1 | i | 0.043 | ţ | 1 | ł | 1 | 1 | 1 | 1 | 1 |
| toluene | 1 | 1 | 1 | 1 | 1 | I | 1 | 1 | 80 | ł | 1 | I | 8 | 1 |
| total xylenes | 1 | ł | 1 | 1 | 1 | l | I | 1 | 15 | 1 | • | 1 | NA NA | ł |
| Aroclor 1248 | 1 | l | 1 | 1 | 0.07 | 90.0 | 1 | I | i | ł | 1 | 0.19 | Ta ≨ | |
| Aroclor 1254 | 1 | ı | ł | 1 | 1 | 1 | i | 1 | ł | 1 | ŀ | 0.13 | Z Z | |
| S C Aroclor 1260 | ł | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.09 | MAN THE | 1 |
| chromium | ı | ł | į | 1 | ı | 1 | 1 | l | ı | 1 | l | 1 | 1 | |
| CODDer | 0.86 | 0.58 | 0.81 | 0.63 | . 88.0 | 0.31 | 1 | 1.14 | 1.22 | 0.82 | 0.61 | 0.56 | -6 W | 1 |
| Peet | 0.19 | 0.25 | 0.27 | 0.34 | 0.30 | 0.29 | 1 | 0.45 | | 0.54 | 0.39 | 0.30 | ¥ | 1 |
| # inc | 0.47 | 96.0 | 0.68 | | 0.61 | 0.17 | I | 1.20 | | 1.74 | 1.34 | 2.02 | MA | ŀ |

All results in ug/m .

Samples DC-15 through DC-21 collected 7/21/87. Samples DC-22 through DC-28 collected 7/22/87.

Blank samples - results reported in ug per sample medium (filter, cartridge).

· Duplicate (collocated) samples.

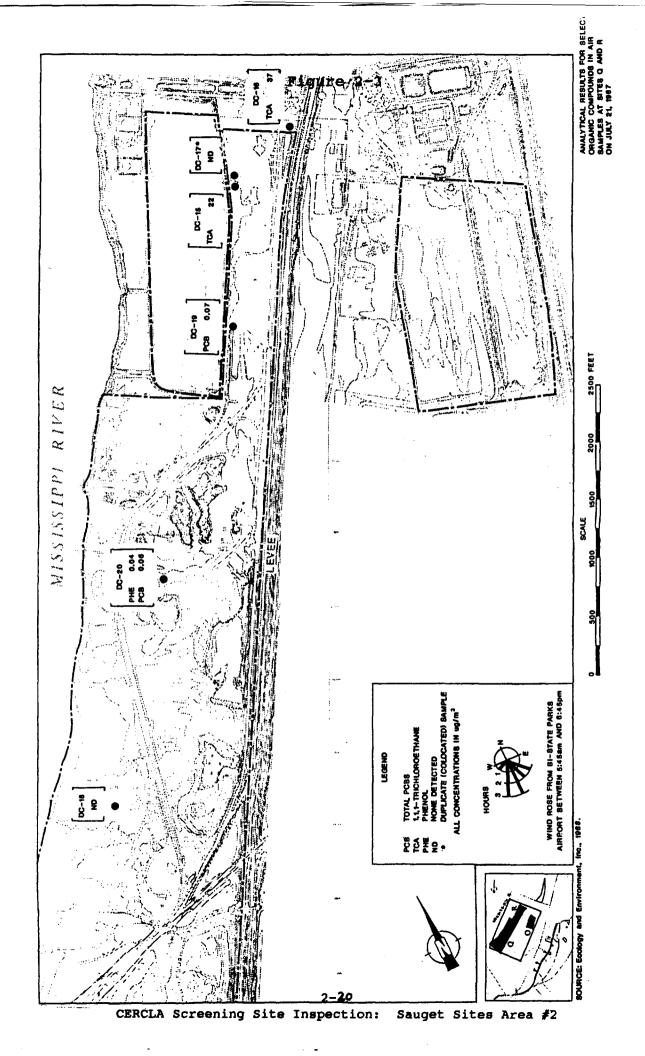
Indicates estimated value. Result is less than the specified detection limit, but greater than zero.

B Compound also found in blank sample.

Not analyzed.

- Not detected.

Source: Ecology and Environment, Inc. 1988.



At Bliss Waste Oil, IEPA collected samples in June, 1983, of the contents of the 4,000 gallon LUST, contaminated soil from beneath the LUST and soil samples around the four 17,000 gallon upright tanks. The contents of the LUST included 5600 parts per million (ppm) of PCB's along with elevated concentrations of chlorinated solvents, aromatics and polyaromatic hydrocarbons, substituted benzenes, and aliphatic hydrocarbons. TCDD was not analyzed for, during any of the excavation and removal of the LUST. The following table shows the maximum concentration of hazardous compounds found in both the LUST waste oil and the soil beneath the exhumed tank.

Table 2-7

Bliss Waste Oil Soil Sample Results (ug/g)

| Compound | Highest Soil Concentration | Highest Waste Concentration |
|----------------------|-------------------------------|--------------------------------|
| trichloroethylene | 710 | 5400 |
| tetrachloroethylene | 800 | 300 |
| trichlorobenzene | 220 | 2300 |
| tetrachlorobenzene | 210 | 360 |
| toluene | 2500 | 2300 |
| xylenes | 2200 | 2500 |
| naphthalene | 1000 | 1000 |
| methylnaphthalene | 1300 | 440 |
| dimethylnaphthalene | 800 | 400 |
| trimethylnaphthalene | 500 | 440 |
| PCB's | 3600 | 5600 |

⁻ other compounds such as aliphatic hydrocarbons, aliphatic substituted phenol, chloromethylphenol, tetrachlorophenol and pentachlorophenol were also detected.

At the Route 3 Drum Site, subsurface soil samples were collected from within the landfill, prior to it's capping.

Geraghty and Miller collected these samples in April, 1985.

A summary of the soil sample results and groundwater monitoring results, are presented in the following table.

Table 2-8

Maximum Concentrations of Selected Contaminants in Soil and Groundwater at the Rt 3 Drum Site (mg/kg and ug/l)

| <u>Compound</u> | Soil Concentration | <u>Groundwater</u> Concentration |
|---------------------------|--------------------|----------------------------------|
| 2,4-dichlorophenol | 27.5 | 13.2 |
| 2,4-dinitrophenol | 97.5 | 1299.9 |
| phenol | 1810 | 43600 |
| 2,4,6-trichlorophenol | 294 | 184 |
| nitrobiphenol (total) | 535773 | 42.9 |
| 4-nitrobiphenol | 89000 | ND |
| nitrochlorobenzene (total | .) 1542 | 579 |
| dinitrochlorobenzene | 180200 | 222 |
| dichloronitrobenzene | 207400 | NAF |
| chlorobenzene | ND | 511 |
| chloroform | NAF | 12.9 |
| benzene | NAF | 461.8 |

ND-not detected, NAF-not analyzed for

3. SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS 3.1 INTRODUCTION

This section outlines procedures utilized and observations made during the CERCLA SSI, conducted at Sauget Sites Area #2. Specific portions of this section contain information pertaining to the site representative interviews, reconnaissance inspection, and field sampling procedures.

The SSI for the Area #2 Sites was conducted in accordance with the work plan which was developed and submitted to USEPA Region V, prior to the initiation of field activities.

USEPA's Potential Hazardous Waste Site Inspection Report (Form 2070-13) for each of the Sites is located in Appendix C of this report.

3.2 SITE REPRESENTATIVE INTERVIEWS

The site representative interview was conducted on

June 5, 1991 between IEPA's Tim Murphy and Paul Takacs and

Monsanto's Bob Hiller. The purpose of the meeting was to

gain access agreements and gather additional information on

Site R and the Route 3 Drum Site. The group also talked

about Sites O and Q and this author explained portions of the

CERCLA Pre-remedial process. During the informal interview,

Mr. Hiller and the two IEPA inspectors observed the site

conditions while looking for prospective sample locations.

Later that day, the IEPA inspectors talked with the lessee of

Site Q, coal and grain terminal operator, Steve Oaks at

Peavey Incorporated. Only general information was gained

from the short interview.

3.3 RECONNAISSANCE INSPECTION

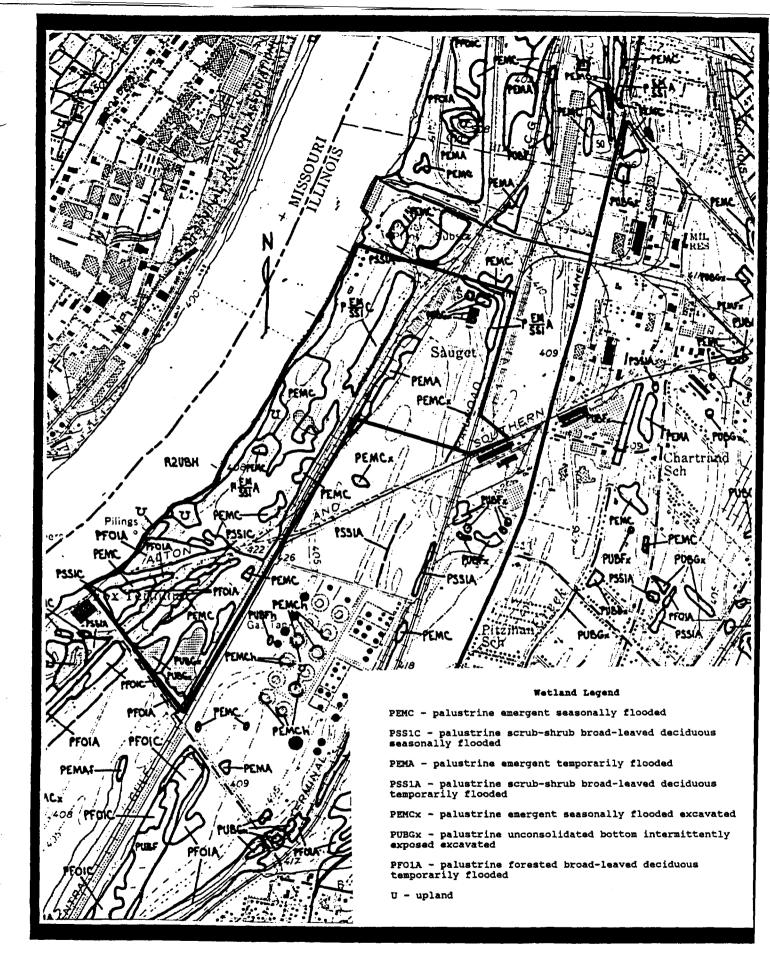
Site reconnaissance inspection for the Area #2 Sites was conducted after the interviews on June 5 and on June 6, 1991 by this author. Nothing special was noted at the two clay-capped sites owned by Monsanto: Site R and the Route 3 Drum Site. At the old Bliss Waste Oil Site, the empty above ground tanks still stand. Mr. Ed Reidy, Vice President of Clayton Chemical, stated that the four 17,000 gallon tanks were recently sampled and determined clean and that A-1 Oil Company still own the tanks (phone conversation September 24, 1991). Much was observed at Sites O and Q during the reconnaissance. The observations are discussed in detail in the following paragraphs. Figure 3-1 on page 3-3 of this report, shows the prominent site features.

After the interview with terminal operator, Steve Oaks, the rip-rapped bank of the Mississippi River was checked for leachate and exposed drums. Neither of the aforementioned were found, however, the elevation of the river was 14 feet above normal pool. Mr. Oaks then allowed us to access the middle and southern portions of Site Q via a gate at the south end of the operation. It was the middle and southern parts of Site Q where several interesting features were discovered.

A long, 4-inch pipe was observed entering the

Mississippi River. On this pipe was a date stenciled "tested

7/1/89". In a soft area leading up to this pipe, were semi
truck tracks. At the opening of the pipe, was a large



Site Features

Figure 3-1

stained spill that, when tested with the HNu photoionization detector, showed readings 6 units above the background readings. There was identical readings obtained when the meter was stuck into the pipe. The observations support a premise that wastes had been illegally dumped into the Mississippi River.

Several other areas of obvious contamination were discovered in the middle portion of Site Q. A salvage drum, located about 100 feet north of the pipe, was in close proximity to a small patch of stained soil, similar to that found by the pipe. On the east side of mid Site Q, near the railroad tracks, large areas looked as if liquid or sludge type waste were deposited sometime in years past. These areas appeared as black crusted material laying over white and/or orange-brown dried out material and soil. In a low laying area west of the railroad tracks, were two small piles of sludge oil type waste that were slowly oozing up from the ground. Only a slight reading over background was observed on the HNu meter, when the larger of the piles was tested.

Another find was a dirt pile dumped between the lakes at the southern end of Site Q, where HNu readings of 250 to 300 units above background were obtained from a pipe stuck into the pile. Several Drums were also observed between the lakes, however, the HNu meter showed no readings.

While walking around Site O, Mr. Takacs and this author discovered gasses emitting from the filled-in lagoons. HNu

readings up to 150 units above background, were monitored at several locations. The average readings were between 80 and 120 units over background on the covered lagoon areas tested. In the middle and on the downwind side of Site O, the HNu meter registered a constant 4 units above background. East of the road leading to the new WWTP, there is a ditch that showed reading of 10 units above background in the breathing zone.

During the reconnaissance visit, it was determined that Modified Levels C and D inspection attire could be worn during the sampling activities. Level B (supplied air) equipment would also be brought along for use if air monitoring equipment detected significant concentrations over background or if other threatening conditions ensue.

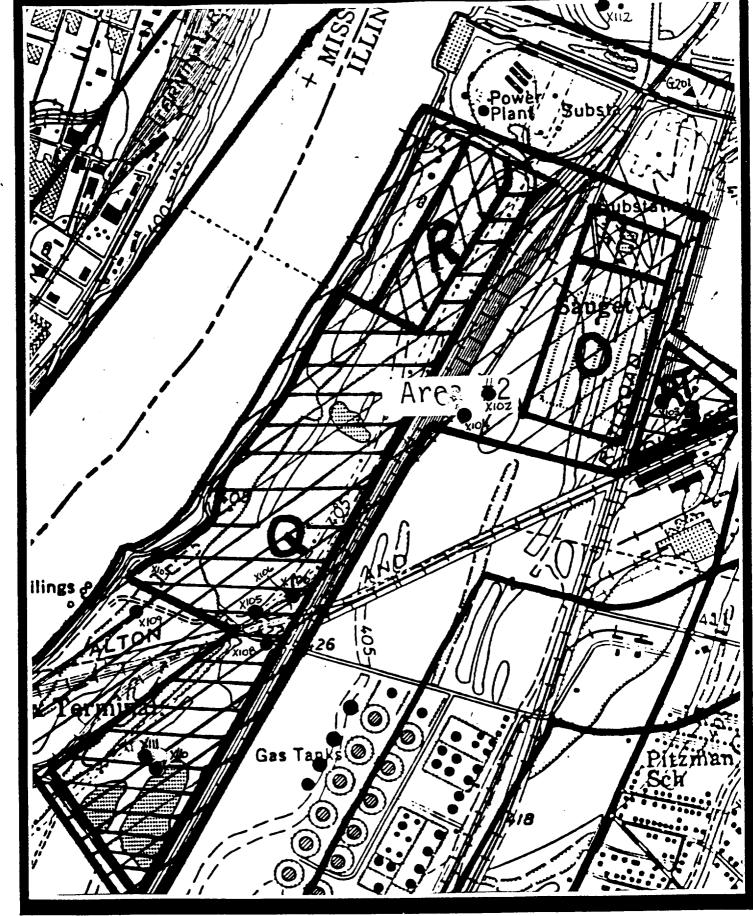
3.4 SAMPLING PROCEDURES

Samples were collected by IEPA personnel in areas and a well that had not previously been sampled. The USEPA Target Compound List (TCL) compounds were analyzed for, in each of the samples. The current list of compounds on the TCL is provided in Appendix D.

On June 25 and 26, 1991, IEPA collected one groundwater sample and eleven soil/sediment samples. Figure 3-2 on page 3-6 of the report depicts the locations of the twelve sample points.

3.5 GROUNDWATER SAMPLING PROCEDURES

The well at PT's Show Club was sampled to determine if documented contaminants in Area #2 groundwater were migrating



Soil/Groundwater Sample Location Map Figure 3-2

to this source of drinking water. The well was purged through a hose but sampled at the spigot. The well was purged 20 minutes before directly filling each of the 11 sample containers. Preservatives were then added to the appropriate inorganic containers.

3.6 SOIL SAMPLING PROCEDURES

Of the eleven soil samples (see Figure 3-2 for locations), ten were collected on-site, within areas of suspected contamination. Only one off-site sample was collected for a background comparison, with the contingency plan of using one or more of the on-site samples (determined clean by analysis), if need be. The background sample was collected north of Area #2 and south of Mt. St. Sauget, a large slag pile west of the levee. Table 3-1 on the following page, describes each of the eleven soil/sediment samples, listing their depth, physical appearance and location.

Table 3-1
Soil Sample Descriptions

| Sample | <u>Depth</u> | <u>Appearance</u> | <u>Location</u> |
|--------|-----------------|------------------------------|--|
| X102 | 0-6" | blk/mucky | at a dead spot of grass 28'10" S of Clayton Chemical fence, between Clayton Chemical and American Bottoms WWTP. |
| X103 | 9'10"- 10'4" | light brn sand | 30'8" NW of high-line pole, 40'3" SE of NW corner at Rt. 3 Drum Site. |
| X104 | 0-6" | red dry silty clay | on a mounded strip of earth running N to S, 290' S of Clayton Chemical fence, SW of X102. |
| X105 | 0-6" | oily waste | from a pimple of ooze in a low spot at mid Site Q, 65' W of RR tracks. |
| X106 | 0-6" | orn-brn sandy waste | NE of X105 on the edge of a wetland area, 115' E of RR tracks. |
| X107 | 0-6" | stained sand | next to pipe emptying into river at mid Site Q. |
| X108 | 0-6" | brn sand | at a wetland area, on the E end of a tree-line at mid Site Q, directly under the W highline wire. |
| X109 | 0-6" | silty sand | 255' S and 5' E of (wooden) electric pole by rd which runs between Monsanto's Lot F and mid Site Q. |
| X110 | 0-6" | blk and gry muck w/ sheen | at N end of large lake, southern Site Q wetland, on W end of overturned dumpster. |
| X111 | 0-6" | rubbery orn- blk waste | 231' from the end of the road running to the lakes in southern Site Q, on the side next to the large lake. |
| X112 | 0-6" | blk/brn silt | <pre>approx. 150' S of the end of the dirt rd or about 600 feet S of slag pile, N of the Area #2 Sites.</pre> |

brn-brown, blk-black, orn-orange, gry-grey, w/with, '-feet, "-inches,
rd-road.

3.7 DECONTAMINATION PROCEDURES

Standard IEPA decontamination procedures were followed prior to the collection of all samples. All sampling equipment had previously been decontaminated at the IEPA warehouse prior to its transport to the site.

Decontamination procedures include the cleaning of all equipment with trisodium phosphate solution, rinsing with hot tap water, acetone, hot tap water again, and finally rinsing with distilled water. All sampling equipment was dried and wrapped with aluminum foil prior to conducting any field sampling activities.

4. ANALYTICAL RESULTS

4.1 INTRODUCTION

This section includes a summary of the analytical results of samples collected during the CERCLA SSI of the Sauget Sites Area #2, in Sauget and Cahokia, Illinois.

4.2 ANALYTICAL RESULTS FROM IEPA COLLECTED SAMPLES

Chemical analysis of groundwater samples collected from the non-community well revealed the presence of certain inorganic analytes, and several volatile organic compounds. Analysis of soil/sediment samples collected at the Sites revealed the presence of volatiles, semi-volatiles, pesticides, PCB's, heavy metals, common laboratory artifacts, and common soil/sediment constituents. Significant concentrations of organic compounds were detected in certain places within the Area #2 Sites.

Tentatively identified compounds at the Area #2 Sites include: tetrachloroethanes in many of the samples; bis-(dimethylethyl)phenol at the Rt. 3 Drum Site, between Clayton and the new WWTP, in a wetland at Site Q and next to Site Q in Monsanto's Lot G; methylhexanes and 1,2-dichlorobenzene at two locations (one a wetland) of mid Site Q; plus, cyclohexane and 15 different chlorinated biphenols (totaling 21,100 ug/kg) in the wetlands of southern Site Q.

| | Sauget Sites Area 2 See CERCLIS for ILD numbers | | | | | | | TABLE 4-1 SUMMARY | | | | | |
|-----------------|--|------------------|----|------------------|---|------------------|----|----------------------|----|------------------|----|-----------------|---|
| | SAMPLING POINT | G201 06-27-91 | | X102 06-26-91 | | X103 06-26-91 | | X104 06-26-91 | | X105 06-26-91 | | X106 06-26-9 | 1 |
| Ω | PARAMETER | 00 27 31 | | 00 20 31 | | 00 20 31 | | 00 20 72 | • | 00 20 72 | | | _ |
| CERCLA | VOLATILES | (ppb) | | (ppb) | | (ppb) | | (ppb) | | (ppb) | | (ppb) | |
| ⋗ | Methylene Chloride | 18 | В | 37 | В | | | 48 | В | 580 | JВ | 47 | В |
| Ø | Acetone | | | 27 | | | | 11 | | | | 34 | |
| Ω | Carbon Disulfide | | | | | | | | | | | | |
| oj. | 1,1-Dichloroethane | | | | | | | | | | | | |
| B | 1,2-Dichloroethene(total) | | | | | | | | | | | | |
| F. | Chloroform | 33 | | | | | | | | | | | |
| Screening | 2-Butanone (MEK) | | | | | | | | | | | | |
| • | 1,1,1-Trichloroethane | | | | | | | | | | | | |
| site | Bromodichloromethane | 5 | | | | | | | | | | | |
| d | Trichloroethene | | | | | 3 | J | | | | | | |
| 0 | Benzene | | | ~~ | | | | | | 70 | J | | |
| H | 4-Methyl-2-Pentanone | | | | | | | | | | | | |
| <u> </u> | Tetracĥloroethene | | | | | · | | | | | | | |
| ö | Toluene | | | | | | | | | 1300 | | 64 | |
| 4 9 | Chlorobenzene | | | | | | | | | | | 6 | |
| äò | Ethylbenzene | | | | | | | | | | | | |
| <u>-</u> | Xylene(total) | | | | | | | | | 430 | J | | |
| 4-2 Inspection: | # of Tic's | (0) | | (3) | | (2) | | (2) | | (8) | | (10) | |
| 50 | SEMIVOLATILES | (ppb) | | (ppb) | | (ppb) | | (ppb) | | (ppb) | | (ppb) | |
| sauget | 1,4-Dichlorobenzene | max. 449 | | | | | | | | 27000 | | 2100 | |
| Q | 4-Chloroaniline | | | | | | | | | | | 290 | J |
| CT. | 2-Methylnaphthalene | | | | | | | | | | | | |
| • | Fluorene | | | | | | | | | | | | |
| <u>د</u> . | Pentachlorophenol | | | | | | | | | 15000 | | | |
| <u>it</u> | Phenanthrene | | | | | | | | | | | | |
| Sites | Anthracene | | | | | | | | | | | | |
| | Pyrene | | | | | | | | | | | | |
| K | bis(2-Ethylhexyl)phthalate | 7 | JB | | | 220 | JВ | 320 | JB | | | | |
| Area | Benzo(a) pyrene | ' | | | | | | | | | | | |
| - | # of TIC's | (1) | | (20) | | (16) | | (14) | | (20) | | (20) | |
| * | , 01 110 5 | (-/ | | (20) | | (20) | | () | | (/ | | \ <i>/</i> | |

Sauget Sites Area 2 See CERCLIS for ILD numbers

| SAMPLING POINT PARAMETER | X107 06-26-91 | X108 06-26-91 | X109 06-26-91 | X110 06-26-91 | X111 06-26-91 | X112 06-27-91 |
|--|---|--------------------------------|--------------------------------|----------------------------------|---|-----------------------------|
| VOLATILES | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) |
| Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethane 1,2-Dichloroethene(total) Chloroform 2-Butanone (MEK) 1,1,1-Trichloroethane Bromodichloromethane Trichloroethene Benzene 4-Methyl-2-Pentanone Tetrachloroethene Toluene Chlorobenzene Ethylbenzene Xylene(total) # of TIC's | 40 B 16 | 43 B 38 | 4 J 5 J (1) | 5 J | 38 B 180 15 J 11 J 13 J 52 J 25 J 14 J 72 85 210 210 480 (10) | 84 B 10 (3) |
| SEMIVOLATILES | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) |
| 1,4-Dichlorobenzene 4-Chloroaniline 2-Methylnaphthalene Fluorene Pentachlorophenol Phenanthrene Anthracene Pyrene bis(2-Ethylhexyl)phthalate Benzo(a)pyrene # of TIC's | 35000 11000 J 79000 6600 J 75000 16000 J (20) | 290 JB | 180 JE | 3 390 JE | 3 (20) | (3) |

(continued)

| Sauget Sites Area 2 See CERCLIS for ILD numbers | | | | TABLE 4-1 SUMMARY | | |
|--|------------------|------------------|------------------|----------------------|------------------|------------------|
| SAMPLING POINT | G201 06-27-91 | X102 06-26-91 | X103 06-26-91 | X104 06-26-91 | X105 06-26-91 | X106 06-26-91 |
| PARAMETER | | | | | | |
| PESTICIDES/PCB'S | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) |
| alpha-BHC | | | | | 21 | |
| beta-BHC | | | | | | |
| gamma-BHC (Lindane) | | | | | | |
| Heptachlor | | | | | | |
| Aldrin | | | | | | 23 |
| Heptachlor epoxide | | | | | 23 | 13 |
| Endosulfan I | | | | | | |
| Dieldrin | | | | | | |
| 4,4'-DDE | | | | | 590 | 570 |
| Endrin | *** | | | | 110 | |
| Endosulfan II | | | | | 84 | |
| 4,4'-DDD | | | | | 45 | |
| 4,4'-DDT | | | | | 380 | 58 |
| Methoxychlor (Mariate) | | | | | | |
| Endrin Ketone | | | | | | 110 |
| Aroclor-1242 | | | | | | |
| Aroclor-1254 | | 2200 | | | | |
| Aroclor-1260 | 600 tid | | | | | |
| INORGANICS | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| Aluminum | 420 | 14500 | 8000 | 22200 | 2300 | 1800 |
| Arsenic | | 6.7 | 4.8 | 4.6 | 2.3 | 4.0 |
| Barium | 83 | 160 | 210 | 120 | 380 | 220 |
| Beryllium | | 1.5 | 120 | 2.7 | | |
| Cadmium | | | | | 1.1 | 5.7 |
| Calcium | 49600 | 3260 | | 6120 | 58800 | 106000 |
| Chromium | | 13 | 8.3 | 35 | 12 | 23 |
| Cobalt | | | | 12 | | |
| Copper | | 31 | 7.4 | 22 | 47 | 38 |
| Iron | 58 | 12700 | 10400 | 19800 | 7710 | 5270 |
| Lead | 12 | 59 | 11.8 | 56 | 83 | 84 |
| Magnesium | 17900 | 2980 | 5210 | 4060 | 2360 | 4240 |
| Manganese | | 280 | 190 | 530 | 78 | 62 |
| Mercury | | | - | | 0.75 | |
| Nickel | | 19 | 14 | 34 | 27 | 10 |
| Potassium | 3160 | 2730 | 1690 | 2140 | 280 | 260 |
| Selenium | | | | | | |
| Sodium | 9770 | | | | 1150 | 1400 |
| Vanadium | | 37 | 26 | 56 | 17 | 11 |
| Zinc | | 190 | 38 | 100 | 790 | 560 |
| Cyanide | | | | | | |
| Sulfate | 42000 | 220 | 38 | 190 | 190 | 2700 |
| Sulfide | 6600 | 98 | | | 490 | 330 |
| ~~~~~ | 5000 | ,, | | | | |

| SAMPLING POINT | X107 06-26-91 | X108 06-26-91 | X109 06-26-91 | X110 06-26-91 | X111 06-26-91 | X112 06-27-91 |
|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| PARAMETER | 00 20 71 | 00 20 71 | 00 20 31 | 00 20 72 | 00 20 32 | |
| PESTICIDES/PCB'S | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) |
| alpha-BHC | | | | | | |
| beta-BHC | | 17 | | | | |
| gamma-BHC (Lindane) | 420 | | | | | 27 |
| Heptachlor | | | | | | 29 |
| Aldrin | 210 | 8.7 | | | | 11 |
| Heptachlor epoxide | 270 | | | | | 23 |
| Endosulfan I | 48 | | | | | |
| Dieldrin | 2000 | 21 | | | | |
| 4,4'-DDE | | | | | | 26 |
| Endrin | | 20 | | | | 140 |
| Endosulfan II | 1600 | 19 | | | | |
| 4,4'-DDD | 240 | | | | | |
| 4,4'-DDT | 1600 | 35 | 19 | | | 120 |
| Methoxychlor (Mariate) | 2400 | | | | | |
| Endrin Ketone | 550 | 17 | | | | |
| Aroclor-1242 | | | | 9900 C | | |
| Aroclor-1254 | | | | 9500 C | 17000 | |
| Aroclor-1254 Aroclor-1260 | | | | 8100 C | tion with | |
| INORGANICS | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| Aluminum | 5600 | 8900 | 16000 | 6900 | 2100 | 37200 |
| Arsenic | 3.4 | 3.1 | 4.5 | 2.6 | 2.6 | 11 |
| Barium | 81 | 130 | 180 | 84 | 390 | 320 |
| Beryllium | | | 1.1 | | | 2.8 |
| Cadmium | | | | 1.6 | | 7.3 |
| Calcium | 17000 | 5560 | 6540 | 2450 | 48100 | 9300 |
| Chromium | 6.1 | 9.2 | 14 | 13 | 20 | 29 |
| Cobalt | | | 9.1 | | | 17 |
| Copper | 4.7 | 24 | 13 | 10 | 16 | 110 |
| Iron | 7110 | 10900 | 17700 | 8290 | 12500 | 37900 |
| Lead | 49 | 62 | 43 | 50 | 62 | 190 |
| Magnesium | 3960 | 3040 | 3790 | 1750 | 650 | 5010 |
| Manganese | 150 | 200 | 520 | 100 | 110 | 780 |
| Mercury | | | | | | 0.19 |
| Nickel | 9.0 | 14 | 18 | 11 | 20 | 38 |
| Potassium | 930 | 1580 | 2370 | 1030 | 260 | 5240 |
| Selenium | | | | 1.3 | | 1.1 |
| Sodium | | | | | 1450 | |
| Vanadium | 17 | 25 | 38 | 19 | | 80 |
| Zinc | 46 | 150 | 100 | 120 | 150 | 760 |
| Cyanide | | | | | | 0.51 |
| Sulfate | 170 | 110 | 63 | 70 | 310 | 76 |
| Sulfide | 130 | | | | 220 | |

ORGANIC DATA REPORTING QUALIFIERS

- U Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. This flag is used either when estimating a concentration for TICs where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the CRDL.
- C This flag applies to pesticide results where the identification has been confirmed by GC\MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract shall be confirmed by GC/MS.
- B This flag is used when the analyte is found in the blank as well as the sample. This flag must be used for a TIC as well as for a positively identified compound.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form 1 for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate forms 1. The Form 1 for the diluted sample shall have the "DL" suffix appended to the lab sample number and the EPA sample number.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number (both lab and EPA) on the Form 1 for the diluted sample, and all concentration values reported on that Form 1 are flagged with the "D" flag.

INORGANIC DATA REPORTING QUALIFIERS

- [] If the result is a value greater than or equal to the instrument detection limit but less than the contract required detection limit, report the value in brackets (i.e., [10]). Indicate the analytical method used with P (for ICP/Flame AA), F (for furnace), CV (for Cold Vapor) and BH (for Borohydride).
 - U Indicates the element was analyzed for but not detected. Report the detection limit value (e.g., 10U).
 - E Indicates a value estimated or not reported due to the presence or interference
 - s Indicates a value determined by Method of Standard Addition.
 - N Indicates spike sample recovery is not within control limits.
 - * Indicates duplicate analysis is not within control limits.
 - + Indicates the correlation coefficient for method of standard addition is less than 0.995.

5. MIGRATION PATHWAYS

5.1 INTRODUCTION

This section includes information that may be useful in determining the Sauget Sites Area #2 impact on the four migration pathways identified in CERCLA's hazard ranking system (HRS). The migration pathways that will be discussed in this section are groundwater, surface water, air and soil exposure. Based on the analytical results noted in the previous section, and the finding from previous investigations, each pathway has been subject to releases from the Sites. It is yet to be determined whether some of the older analytical data will be HRS useable, in any case, the Sites have the potential to effect human health and the environment.

5.2 GROUNDWATER PATHWAY

Sauget Sites Area #2 Sites are located in a region known as the American Bottoms. ISGS well logs indicate that the upper stratigraphy in this region consists of 70-120 feet of unconsolidated alluvium and glacial outwash overlying Mississippian aged limestone and sandstone formations (Ste. Genevieve and St. Louis Limestones). The valley fill deposits are composed of two formations, the uppermost being the Cahokia Alluvium followed by the Mackinaw Member of the Henry Formation.

The Cahokia Alluvium is composed predominantly of silt, clay and fine sand deposits, generally indicative of a

aggrading environment. In the Sauget area, these deposits vary in thickness, with a range of 15 to 30 feet. This formation was laid down via flood events, eolian activity, bank slumping, erosion and/or slugs of material deposited directly by tributary steams. The Mississippi River has frequently reworked this formation in such a way that coarser material is intermingled with finer-grained deposits.

Underlying the Cahokia Alluvium is the Mackinaw Member of the Henry Formation. This formation is composed of sand and gravel from glacial outwash. In the Sauget area, this material rests directly on the bedrock surface and varies between 70 and 100 feet in thickness.

Local hydrogeologic information has been obtained through groundwater monitoring in the Sauget area. In the vicinity of the Area #2 Sites, shallow sand and gravel deposits close to the ground surface, yield significant quantities of water for nearby homes and business. Horizontal groundwater movement in the shallow deposits generally follow the land surface topography, with lateral movement toward local discharge zones (wells and small streams), and some movement into the deeper unconsolidated aquifers. Groundwater is encountered between 10 and 28 feet below the ground surface in area. These figures can be used for the depth to the aquifer of concern (AOC). Groundwater in the deeper unconsolidated valley fill deposits generally follows the bedrock surface. Accordingly, groundwater generally flows downstream through the sand and gravel

aquifers in much the same direction as the original stream flow, but at a much slower rate.

Most area residents are supplied with drinking water by the Illinois-American Water Company (IAWC) which operates an intake on the Mississippi River upstream of Sauget. IAWC sells the water to the various water departments and districts within the Sauget/Cahokia area. However, some area residents do obtain drinking water from shallow wells. Illinois Department of Public Health (IDPH) files and Illinois State Water Survey (ISWS) well logs indicate at least 50 area residents have wells which are used for drinking or irrigation. These wells are located in Cahokia (23), East St. Louis (5), East Carondelet (16) and Dupo (6). These do not include the wells at the homes on Judith Lane in Cahokia or an unknown number of residents in the Schmids Lake area (approximately 2.3 miles southwest) that are not covered by any public water distribution. The alluvial well at PT's Show Club, which draws water from the AOC, is monitored by the IDPH as a non-community well (serving over 25 people). A 1983 report by the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMRPC) listed 69 residences in Centreville Township (includes Sauget, Cahokia, Alorton and Centreville) which use private water systems. The same report lists 57 residences in East St. Louis and 365 residences in Sugarloaf Township (includes Dupo, North Dupo and East Carondelet). SIMRPC based their report on 1980 census data.

5.3 SURFACE WATER PATHWAY

Site drainage is controlled by the COE 500-year levee for Site O, Bliss Waste Oil and the Route 3 Drum Site. Sites Q and R east of the levee, are not protected from the river's flood events. Drainage from these two sites directly enter the Mississippi River. There are many probable points of entry (PPE's) for Sites Q and R bordering the river such as the observed leachate seeps and the pipe entering river. The American Bottoms outfall at river mile 178.2 would be the PPE for the 3 sites west of the levee. A 15-mile surface water map is included in Appendix B of this report.

The average discharge of the Mississippi River, as measured over a 128 year period at St. Louis, Missouri, is 179,800 cubic feet per second. The 15-mile surface water target limit extends to Mississippi River mile 163.2.

Surface water use in the immediate area (from Mississippi River mile 174 to 178) is limited to recreation and freight trafficking. There is an upstream surface water intake at river mile 181, which supplies most of the Illinois side area residents, was mentioned in the groundwater section. The city of St. Louis is also supplied by an upstream surface water intake, about 12 miles north at river mile 190. At downstream river mile 149 (about 28 river miles south of area), the village of Crystal City, Missouri (population 4000) utilizes a Ranney well, adjacent the Mississippi River, for drinking water. A well of this kind, is assumed to draw in surface water due to its construction

and location to the river. On the Illinois side, the nearest downstream surface water intake is located approximately 65 miles south of the area, at river mile 110. The intake is used by the town of Chester and surrounding communities in Randolf County. According to the Illinois Department of

Conservation (IDOC), the Resource Inventory for the Mississippi River at river miles 178-162 shows fishing areas, sport fishing areas, important wildlife habitat and bald eagle use at selected areas in this reach.

5.4 AIR PATHWAY

A documented releases to the ambient air were observed in E&E study of the Sites. Also, the elevated HNu readings during the site reconnaissance at Site O, denote off-gassing of contaminants in the soil. It has been estimated that about 2000 people live within a mile of the Area #2 Sites and about 175,000 people live within 4-miles, based on 1990 U.S. Census figures. The table on the following page shows the 4-mile radius population calculation. According to the Illinois Department of Commerce and Community Affairs (1988), approximately 3,200 people are employed within 2 miles of the site.

Target Population Calculation

| | ulation Density/ tal Population | Area w/in 4- <u>Mile Radius</u> | Population w/in 4-Mile Radius |
|--------------|------------------------------------|------------------------------------|----------------------------------|
| St. Louis | 7,379/sq mi | 14.5 sq mi | 106,995 |
| E. St. Louis | 4,119/sq mi | 9.5 sq mi | 39,130 |
| Alorton | 2,237 | 100% | 2,237 |
| Cahokia | 18,904 | 100% | 18,904 |
| Centreville | 9,747 | 75% | 7,310 |

Total Target Population = 174,576

5.5 SOIL EXPOSURE PATHWAY

Soil/Sediment samples collected during the SSI indicate a potential for direct contact with the detected hazardous wastes. Access to the Site O and the southern half of Q is unrestricted. The reconnaissance inspection did indicate that people frequent the southern half of Site Q and could expose themselves to these wastes. As indicated in the air section, approximately 2000 people live within a one mile radius of the Sites. There are no homes or schools that border the Sites.

6. BIBLIOGRAPHY

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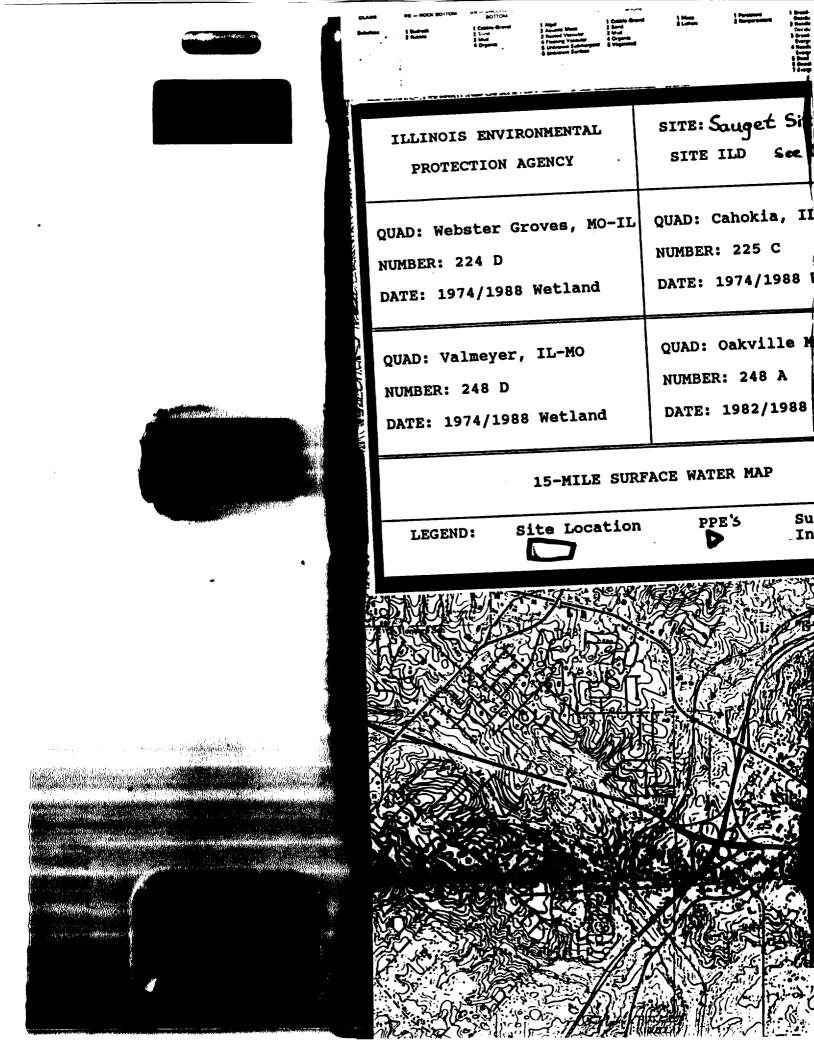
APPENDIX A GROUNDWATER 4-MILE RADIUS MAP

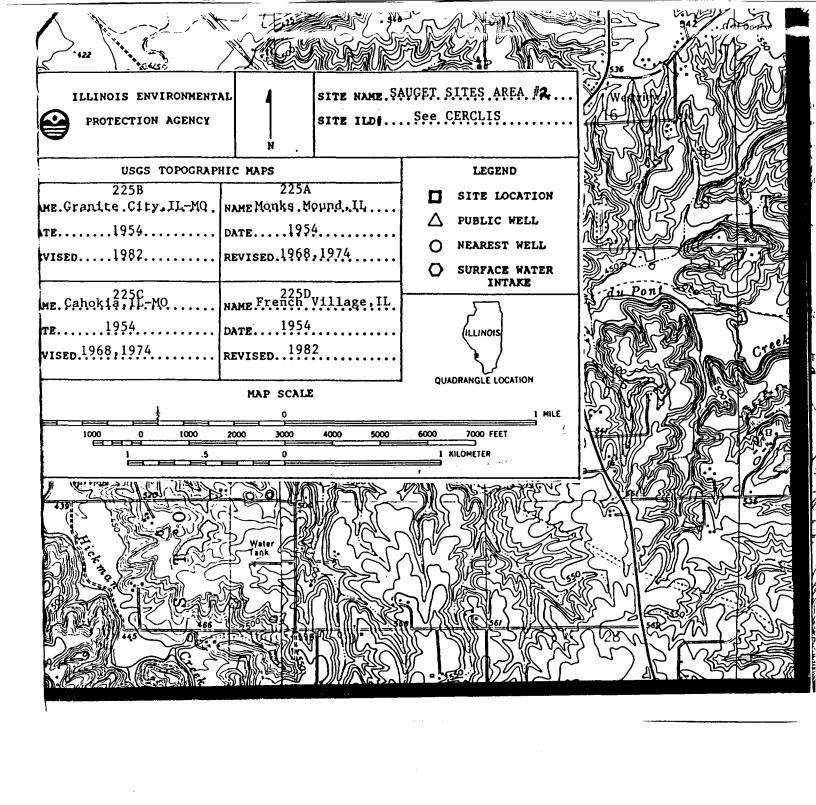
APPENDIX B SURFACE WATER ROUTE MAP

SDMS US EPA REGION V FORMAT- OVERSIZED - 5 IMAGERY INSERT FORM

The item(s) listed below are not available in SDMS. In order to view original document or document pages, contact the Superfund Records Center.

| SITE NAME | SAUGET AREA II | | |
|------------------------------|----------------------------|-------|------------------------------|
| DOC ID# | 158457 | | |
| DESCRIPTION OF ITEM(S) | SITE MAPS | | |
| REASON WHY UNSCANNABLE | _X_OVERSIZED | OR | FORMAT |
| DATE OF ITEM(S) | | | |
| NO. OF ITEM | 2 | | |
| PHASE | SAS | | |
| PRP | SAUGET AREA II | | |
| PHASE (AR DOCUMENTS ONLY) | | | Deletion Docket AR Volume of |
| | COMMENT | (S) | |
| | SC #2154 PARTIAL COPY O | F MAP | e's |





DATE: June 26, 1991

TIME: 10:15 AM

PHOTOGRAPH TAKEN BY: _____

Kim Nika

PHOTOGRAPH NUMBER: 1

LOCATION: Rt. 3 Drum Site,

Monsanto Lot F, west of

Rt. 3 in Sauget, IL.

PICTURE TAKEN TOWARD: S-SE

COMMENTS: Sample X103 taken

30'8" from NW high-line

pole, 40'3" from NW corner

of fenced lot.



DATE: June 26, 1991

TIME: 10:15 AM

PHOTOGRAPH TAKEN BY: ______

Kim Nika

PHOTOGRAPH NUMBER: ____ 2

LOCATION: _Rt. 3 Drum Site, _____

Monsanto Lot F, west of _____

Rt. 3 in Sauget, IL.

PICTURE TAKEN TOWARD: _S

COMMENTS: _Sample X103

location, the auger was _____

angled toward the waste.



DATE: June 26, 1991

TIME: 12:30 PM

PHOTOGRAPH TAKEN BY: ______

Kim Nika

PHOTOGRAPH NUMBER: 3

LOCATION: E of Site Q,

near the Mississippi R. at

Monsanto's Lot G., Sauget,

IL.

PICTURE TAKEN TOWARD: NE

COMMENTS: Sample X109 taken

5' E and 255' S of wooden

electrical pole by road.





| DATE: <u>June 26, 1991</u> | |
|-----------------------------|----------------------|
| TIME: 2:00 PM | |
| PHOTOGRAPH TAKEN BY: | |
| Kim_Nika | |
| PHOTOGRAPH NUMBER: 5 | |
| LOCATION: S part of Site O. | |
| in a wetland area, | |
| Cahokia, IL. | |
| PICTURE TAKEN TOWARD: E | |
| COMMENTS: Sample X111 taken | |
| from the S side of dirt | |
| road near biggest lake, | |
| 231' from end of road. | |
| PHOTO #: 6, toward ground. | |
| DATE: June 26, 1991 | |
| TIME: 2:00 PM | |
| PHOTOGRAPH TAKEN BY: | |
| Kim Nika | |
| PHOTOGRAPH NUMBER: 7 | |
| LOCATION: S part of Site Q, | |
| in a wetland area, | |
| Cahokia, IL. | Marie Marie Commence |
| PICTURE TAKEN TOWARD: NE | |
| COMMENTS: Sample X111 | |
| location. | |
| | |
| | |
| | |

DATE: June 26, 1991

TIME: 2:20 PM

PHOTOGRAPH TAKEN BY: ______

Kim Nika

PHOTOGRAPH NUMBER: 8

LOCATION: S part of Site Q,
 in a wetland area,

Cahokia, IL.

PICTURE TAKEN TOWARD: SE

COMMENTS: Sample X110 taken
 at the N end of the big
 lake, near the W end of an overturned dumpster.



DATE: June 26, 1991

TIME: 2:20 PM

PHOTOGRAPH TAKEN BY: ______

Kim Nika

PHOTOGRAPH NUMBER: 9

LOCATION: S part of Site Q,
 in a wetland area,

Cahokia, IL.

PICTURE TAKEN TOWARD: NE

COMMENTS: Sample X110

location.



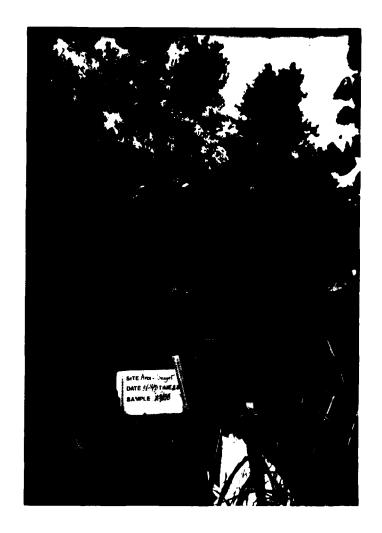
| DATE: <u>June 26, 1991</u> |
|----------------------------|
| TIME: 3:20 PM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 10 |
| LOCATION: Mid-section of |
| Site Q near the border of |
| Sauget and Cahokia, IL. |
| PICTURE TAKEN TOWARD: W-NW |
| COMMENTS: Sample X108 was |
| taken under the W high- |
| line wire, perpendicular |
| to the tree lined ditch. |
| |
| DATE: <u>June 26, 1991</u> |
| TIME: 3:20 PM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 11 |
| LOCATION: Mid-section of |
| Site Q near the border of |
| Sauget and Cahokia, IL. |

PICTURE TAKEN TOWARD: NW

COMMENTS: Sample X108

location.





DATE: June 26, 1991

TIME: 4:00 PM

PHOTOGRAPH TAKEN BY: _____

Kim Nika

PHOTOGRAPH NUMBER: 12

LOCATION: mid part of Site

O, next to Mississippi

River, Sauget, IL.

PICTURE TAKEN TOWARD: E

COMMENTS: Sample X107 taken

from the end of a pipe

which empties into the

Mississippi River.





DATE: June 26, 1991

TIME: 4:35 PM

PHOTOGRAPH TAKEN BY: ______

Kim Nika

PHOTOGRAPH NUMBER: 14

LOCATION: mid part of Site

O, in a low laying area,

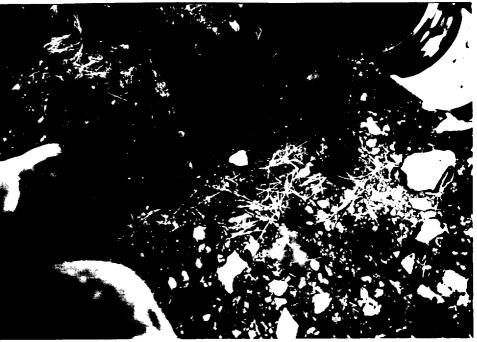
near RR tracks, Sauget, IL

PICTURE TAKEN TOWARD: ground

COMMENTS: Sample X105 taken

from an oily out-flow 65'

W of the center of tracks.



DATE: <u>June 26, 1991</u>

TIME: 4:35 PM

PHOTOGRAPH TAKEN BY:____

Kim Nika

PHOTOGRAPH NUMBER: 15

LOCATION: mid part of Site

O, in a low laying area,

near RR tracks, Sauget, IL

PICTURE TAKEN TOWARD: S-SE

COMMENTS: Sample X105

location.



| DATE: <u>June 26, 1991</u> |
|------------------------------|
| TIME: 4:35 PM |
| PHOTOGRAPH TAKEN BY: |
| Kim_Nika |
| PHOTOGRAPH NUMBER: 16 |
| LOCATION: mid part of Site |
| O, in a low laying area, |
| near RR tracks, Sauget, IL |
| PICTURE TAKEN TOWARD: ground |
| COMMENTS: Sample X105 oily |
| waste. |
| |
| |
| |
| DATE: June 26, 1991 |
| TIME: 2:00 PM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 17 |
| LOCATION: mid part of Site |
| O, in a low laying area, |
| near RR tracks, Sauget, IL |
| PICTURE TAKEN TOWARD: SE |
| COMMENTS: Sample X105 |
| location. |
| |

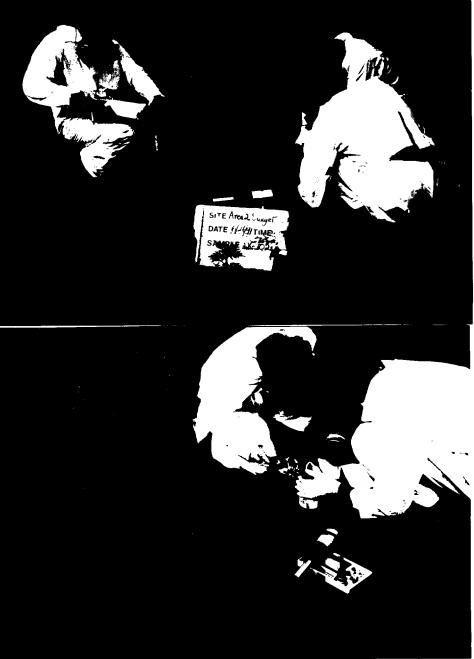




4-10

| DATE: <u>June 26, 1991</u> | 7 | 7 | | | | |
|-----------------------------------|--|---|--|--|--------|--|
| TIME: 5:00 PM | , | | | and other of | | |
| PHOTOGRAPH TAKEN BY: | · · | | | # .) | 3 | |
| Kim Nika | | | | | j | |
| PHOTOGRAPH NUMBER: 18 | | | | | | |
| LOCATION: <u>mid part of Site</u> | | | The state of the s | | | |
| O, in a wetland area, | | | | J ew 1 | | |
| near RR tracks, Sauget, IL | | | × . | | | |
| PICTURE TAKEN TOWARD: W | | | | | | |
| COMMENTS: Sample X106 looks | | | | · | | |
| like a dried out oily | | | · fer | | | |
| waste, 115' E of E RR | | | | | | |
| track. | | | | | | |
| | | | | | | |
| DATE: June 26, 1991 | | | | | | |
| TIME: 5:00 PM | | | | | | |
| PHOTOGRAPH TAKEN BY: | The state of the s | | | | | |
| Kim Nika | The state of the s | | | | | |
| PHOTOGRAPH NUMBER: 19 | A STATE OF THE PARTY OF THE PAR | | | A 1 | | |
| LOCATION: mid part of Site | | - | | | 1 | |
| O, in a wetland area, | | | | | ₽ ₽ | |
| near RR tracks, Sauget, IL | | | | | | |
| PICTURE TAKEN TOWARD: SE | | | | | | |
| COMMENTS: Sample X106 | | | | | | |
| location. | | | | | | |
| | | | | | | |

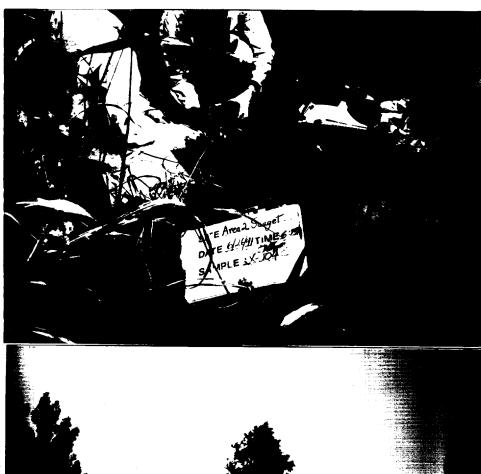
| DATE: <u>June 26, 1991</u> |
|---------------------------------|
| TIME: 5:50 PM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 20 |
| LOCATION: Near Site O, |
| between American Bottoms |
| WWTP and Clayton Chemical |
| Sauget, IL. |
| PICTURE TAKEN TOWARD: N |
| COMMENTS: Sample X102 taken |
| 28'10" S of Clayton Chem. |
| fence in dead spot. |
| PHOTO #: 21, toward ground. |
| DATE: June 26, 1991 |
| TIME: 5:50 PM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 22 |
| LOCATION: Near Site O, |
| <u>between American Bottoms</u> |
| WWTP and Clayton Chemical |
| _Sauget, IL. |
| PICTURE TAKEN TOWARD: N |
| COMMENTS: Sample X102 |
| location. |
| |



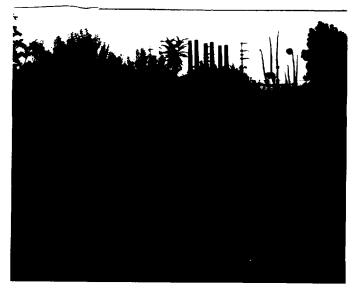


4-12

DATE: June 26, 1991 TIME: 6:15 PM PHOTOGRAPH TAKEN BY: Nika PHOTOGRAPH NUMBER: 23 LOCATION: Near Site O, between American Bottoms WWTP and Clayton Chemical Sauget, IL. PICTURE TAKEN TOWARD: NW COMMENTS: Sample X104 taken from an old N to S mounded row of dirt, SW of X102 and 290' S of Clayton's S boundary fence. PHOTO #: 24, N toward Clayton Chem. DATE: June 26, 1991 TIME: 6:15 AM PHOTOGRAPH TAKEN BY: Nika PHOTOGRAPH NUMBER: 25 LOCATION: Near Site O, between American Bottoms WWTP and Clayton Chemical Sauget, IL. PICTURE TAKEN TOWARD: __W___ COMMENTS: Sample X104____ location, note Arch and old Union Elec. stacks.







| DATE: <u>June 27, 1991</u> |
|----------------------------|
| TIME: 10:10 AM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 26 |
| LOCATION: N of Site R near |
| Mt. St. Sauget (large |
| slag pile), Sauget, IL. |
| PICTURE TAKEN TOWARD: E-SE |
| COMMENTS: Sample X112 is |
| taken in the woods approx. |
| _600' S of Mt. St. Sauget, |
| about 150' from dirt road. |
| |
| DATE: <u>June 27, 1991</u> |
| TIME: 10:10 AM |
| PHOTOGRAPH TAKEN BY: 27 |
| Kim Nika |
| PHOTOGRAPH NUMBER: |
| LOCATION: N of Site R near |
| Mt. St. Sauget (large |
| slag pile), Sauget, IL. |
| PICTURE TAKEN TOWARD:E |
| COMMENTS: Sample X112 |

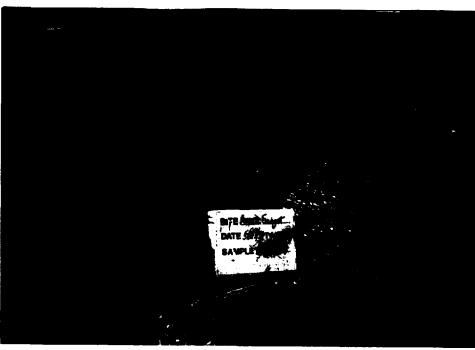
location.





4-14

| DATE: <u>June 27, 1991</u> |
|----------------------------|
| TIME: 11:25 AM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 28 |
| LOCATION: PT's Show Club |
| Monsanto Ave., Sauget, IL. |
| |
| PICTURE TAKEN TOWARD: E |
| COMMENTS: The spigot on |
| the S. side of PT's Show |
| Club where sample G201 was |
| collected. |
| |
| DATE: June 27, 1991 |
| TIME: 11:25 AM |
| PHOTOGRAPH TAKEN BY: |
| Kim Nika |
| PHOTOGRAPH NUMBER: 29 |
| LOCATION: PT's Show Club |
| parking lot, Monsanto |
| Ave., Sauget, IL |
| PICTURE TAKEN TOWARD: E |
| COMMENTS: Sample G201 |
| |





APPENDIX C
USEPA FORM 2070-13



Site Inspection Report

⊕EPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT ART 1 - SITE I OCATION AND INSPECTION INFORMATION

| I. IDENTIFICATION | | | | | | |
|-------------------|-----------------------------|--|--|--|--|--|
| 01 STATE | 02 SITE NUMBER | | | | | |
| IILD | 02 SITE NUMBER 000672329 | | | | | |

| PART 1 - SITE | LOCATION AND | INSPECTION INFORMAT | TION (LP) | 000672329 | | |
|---|-----------------------|---------------------------------------|---------------------------------------|---|--|--|
| II. SITE NAME AND LOCATION | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | | |
| 01 SITE NAME (Legal, common, or descriptive name of site) | | | | | | |
| Sauget WWTP (AKAS) | teO) | ONE Mobile | Atre. | 11 | | |
| Sauget 09 COORDINATES | | 1L 62201 3 | | 07COUNTY 08 CONG CODE DIST 163 23 | | |
| 09 COORDINATES | O TYPE OF OWNERSHIP | (Check one) | | | | |
| 38 35 35.0 090 10 51.0 | ☐ F. OTHER — | □ B. FEDERAL □ | C. STATE D. COUNTY | | | |
| III. INSPECTION INFORMATION Of DATE OF INSPECTION 02 SITE STATUS | 03 YEARS OF OPERATION | ON | | | | |
| 06,2591 □ ACTIVE ■ INACTIVE | 199 BEGIN | 5Z UNK | UNKNOWN | | | |
| 04 AGENCY PERFORMING INSPECTION (Check all that apply) | | | · · · · · · · · · · · · · · · · · · · | | | |
| □ A. EPA □ B. EPA CONTRACTOR | me of firm) | D.C. MUNICIPAL D. MUN | IICIPAL CONTRACTOR | (Name of firm) | | |
| | me of firm) | G. OTHER | (Specify) | | | |
| OS CHIEF INSPECTOR | OB TITLE | | 07 ORGANIZATION | 08 TELEPHONE NO. | | |
| Tim Murphy 09 OTHER INSPECTORS | EPS | | IEPA | | | |
| | 10 TITLE | | 11 ORGANIZATION | 12 TÉLEPHONE NO. | | |
| Greg Spencet | EPS | | ,,, | / / | | |
| Greg Spencer Bruce Ford | EPE | | 11 | () | | |
| Kim Nika | EPS | **** | l) | () | | |
| Paul Takacs | EPE | | 11 | () | | |
| | | | | () | | |
| 13 SITE REPRESENTATIVES INTERVIEWED | 14 TITLE | 15ADDRESS | | 16 TELEPHONE NO | | |
| None | | | | () | | |
| · | | | | () | | |
| | | | | () | | |
| | | | | () | | |
| | | | | () | | |
| | | | | () | | |
| | | | | | | |
| 17 ACCESS GAINED BY 18 TIME OF INSPECTION (Check one) | | | | | | |
| PERMISSION 9:30am SUNNY, hot | | | | | | |
| IV. INFORMATION AVAILABLE FROM | loa os w | | | Loo er rouge | | |
| GEORGE SCHILLINGER 04 PERSON RESPONSIBLE FOR SITE ASPECTION FORM | Sauget San | litary Developmen | Hand Research | 03 TELEPHONE NO. | | |
| 1 | 05 AGENCY | OF ORGANIZATION DLPC/RPMS | 07 TELEPHONE NO. | 08 DATE | | |
| Timothy J. Murphy | IEPA | DLK KHNIS | 217782-6760 | MONTH DAY YEAR | | |

| 2 | P/ | 1 |
|---|----|---|
| | | ٦ |

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION 01 STATE 02 SITE NUMBER

| VEI | 74 | | | EINFORMATION | | ILD OOC | 672329 |
|---|--------------------------------|--|---|----------------------------|--|---|---|
| II. WASTE S' | TATES, QUANTITIES, AF | ND CHARACTER | | | | | • |
| ☐ A. SOLID ☐ E. SLURRY must be ☐ R. POWDER FINES ☐ F. LICHID TONS | | TITY AT SITE of waste quantities of independents | TY AT SITE 03 WASTE CHARACTERISTICS (Check all that apply) waste quentities independent) A. TOXIC E. SOLUBLE B. CORROSIVE F. INFECTIO | | UBLE II. HIGHLY CTIOUS II. J. EXPLO MMABLE III. K. REACT TABLE II. INCOM | LE (D. I. HIGHLY VOLATILE OUS (D. J. EXPLOSIVE ABLE (D. K. REACTIVE | |
| II. WASTE T | (Specify) | NO. OF DRUMS | | | | | |
| CATEGORY | SUBSTANCE N | JAME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS | | |
| SLU | SLUDGE | - | 64,533 | cu. yds. | | lagoon capacit | L |
| OLW | OILY WASTE | ······································ | 7,5,5 | | once times | John Capacit | 7 |
| SOL | SOLVENTS | | | | | | |
| PSD | PESTICIDES | | | | | | |
| occ | OTHER ORGANIC CH | HEMICALS | | | | | |
| IOC | INORGANIC CHEMIC | | 1 | | | | |
| ACD | ACIDS | | | | <u></u> | | |
| BAS | BASES | | | | | | |
| MES | HEAVY METALS | | | | | | |
| V. HAZARDO | OUS SUBSTANCES (See A) | ppendix for most freque | ntly cited CAS Numbers) | | | | |
| CATEGORY | 02 SUBSTANCE N | IAME | 03 CAS NUMBER | 04 STORAGE/DISPOSAL METHOD | | 05 CONCENTRATION | 08 MEASURE C |
| | See report | | | | | | |
| | See report. pages 2-1 | 4.2-15 | | | | | |
| | 1 0 | | | | | | |
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| | | | | <u></u> | | | <u> </u> |
| | | | | | | | |
| . FEEDSTO | CKS (See Appendix for CAS Numb | pers) | - | - | | | * |
| CATEGORY | 01 FEEDSTOC | K NAME | 02 CAS NUMBER | CATEGORY | 01 FEEDS | TOCK NAME | 02 CAS NUMBER |
| FDS | | | | FDS | | | |
| FDS | | | | FDS | - | | |
| FDS | | | | FDS | | | |
| FDS | | | | FDS | | | |
| | 05 1150011 4 71011 | | ., state files, sample analysis, i | | | | *************************************** |

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

1. IDENTIFICATION

01 STATE 02 SITE NUMBER

1LD 000672329

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

| | AZARDOUS CONDITIONS AND INCIDEN | 15 |
|---|--|-----------------------|
| II. HAZARDOUS CONDITIONS AND INCIDENTS | | |
| 01 ■ A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: >50 | | □ POTENTIAL □ ALLEGED |
| wells at Site O contained 16 vol | - | |
| 11 Jem | ivalafiles els above(significantly) back | Carnud |
| 7 Mer | as above significantly such | ground |
| 01 8 B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL ALLEGED |
| via groundwater, effluent from | n WWTP (sec O.) | |
| 3 / | - , | |
| 01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL ALLEGED |
| air monitoring with an 117 HW | | alalas showed 4 |
| air monitoring with an 11.7 Hu units above background consis | that the downwind | Side in the broothing |
| zone at site 0 | and the same of | |
| 01 D. FIRE/EXPLOSIVE CONDITIONS | 02 🗆 OBSERVED (DATE:) | ☐ POTENTIAL ☐ ALLEGED |
| 03 POPULATION POTENTIALLY AFFECTED: | | |
| None observed | | |
| hone observed | | |
| | | |
| 01 E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: UNK | 02 ☐ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL ALLEGED |
| | 04 NARRATIVE DESCRIPTION | |
| Sete access is Not controlled | | |
| | | |
| D1 E CONTAMINATION OF SOR | 02 TOBSERVED (DATE: 2-17-87) | □ POTENTIAL □ ALLEGED |
| 01 B F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (Acres) | 04 NARRATIVE DESCRIPTION | □ POTENTIAL □ ALLEGED |
| | contained contaminants | includiate xulone |
| 9 of 11 subsurface soils ethylbenzene, chlorobenzene, PC | if, chrysene and PCB(Aroa | dor 12 12) |
| (1) | | |
| 01 ●G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: > 50 | 02 OBSERVED (DATE: 6/21/91) | L' POTENTIAL ALLEGED |
| | | الح مل م |
| PT's Showclub well has chloroform | · _ | |
| there are other private wells arounk | X | |
| 01 H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL ALLEGED |
| workers installed roadway and | water/sever lines accro | ss site to Neu |
| American Bothoms WWTP | ,= | |
| When to be a facility and the second | | |
| 01 . POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: | 02 DOBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL - ALLEGED |
| | | |
| See E., G. Crond H. | | |
| • | | |
| | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

SCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

1LD 000677. 379

| PART 3 - DESCRIPTION OF HA | AZARDOUS CONDITIONS AND INCIDENT | s u-bio | 2061232 |
|--|----------------------------------|--------------|-------------|
| II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued) | | | |
| 01 B J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION | 02 OBSERVED (DATE:) | ■ POTENTIAL | ☐ ALLEGED |
| Stressed vegetation is eviden | It over the site | | |
| 01 K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(s) of species) | 02 D OBSERVED (DATE:) | □ POTENTIAL | □ ALLEGED |
| none observed | | | |
| 01 L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION | 02 OBSERVED (DATE:) | POTENTIAL | □ ALLEGED |
| Mississippi Aiver fish are co benzenes | interminated with PCB's, Dib, | liM bus cuip | rochloro |
| 01 M. UNSTABLE CONTAINMENT OF WASTES (Spille/Runotl/Standing liquids, Leaking drums) | 02 | F POTENTIAL | □ ALLEGED |
| 03 POPULATION POTENTIALLY AFFECTED: | 04 NARRATIVE DESCRIPTION | | |
| no liner and inadequet cover | over old lagoons | | |
| 01 N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION | 02 DOBSERVED (DATE:) | □ POTENTIAL | □ ALLEGED |
| none observed | | | |
| 01 ■ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTP. 04 NARRATIVE DESCRIPTION | 9 02 OBSERVED (DATE:) | POTENTIAL | □ ALLEGED |
| Site drainage goes to WWTP | | | |
| 01 P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION | 02 🗆 OBSERVED (DATE:) | POTENTIAL | ■ ALLEGED |
| South of Site O | | | |
| 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLI | EGED HAZARDS | | |
| | | | |
| III. TOTAL POPULATION POTENTIALLY AFFECTED: 17 | 5,000 | | |
| IV. COMMENTS | | | |
| | | | |
| | | | |
| V. SOURCES OF INFORMATION (Cite specific references. e. g., state files | s, sample analysis, reports; | | |
| IEPA BLA A'les | | | |
| | | | |

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|---|---|----|
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION ART 4 - REPMIT AND DESCRIPTIVE INFORMATION

| l | I. IDENT | IFICATION |
|---|----------|--------------------------|
| I | 01 STATE | 02 SITE NUMBER 000672329 |
| ı | ルレ | 000672329 |

| | PART 4 - PERMIT | AND DE | SCRIP | TIVE INFORMAT | ION | 140 000672329 |
|---|--|------------------|--------------|---------------------------------|-------------------------------------|---|
| II. PERMIT INFORMATION | | | | | | |
| 01 TYPE OF PERMIT ISSUED | 02 PERMIT NUMBER | 03 DATE IS | SSUED | 04 EXPIRATION DATE | 05 COMMENTS | <u> </u> |
| (Check all that apply) | | | | ł | | |
| □ A. NPDES | | - | | | | |
| □ B. UIC | | | | | | |
| C. AIR | <u> </u> | - | | | | |
| D. RCRA | | | | | | |
| ☐ E. RCRA INTERIM STATUS | | | | | | |
| ☐ F. SPCC PLAN | | | | <u> </u> | | |
| ☐ G. STATE (Specify) | | <u> </u> | | ļ | | |
| ☐ H. LOCAL (Specify) | | | _ | | <u> </u> | |
| ☐ I. OTHER (Specify) | | | | | | |
| □ J. NONE | | | | | | |
| III. SITE DESCRIPTION | | | | | | |
| 01 STORAGE/DISPOSAL (Check all that apply) 02 | AMOUNT 03 UNIT OF | SASURE | 04 TF | REATMENT (Check all that a | pply) | 05 OTHER |
| | | | □ A. | INCENERATION | | |
| | 1800 yd | 3 | 1 | UNDERGROUND INJ | ECTION | A. BUILDINGS ON SITE |
| C. DRUMS, ABOVE GROUND | <u> </u> | | □ c . | CHEMICAL/PHYSICA | NL | + |
| D. TANK, ABOVE GROUND | | | 1 | BIOLOGICAL | | |
| ☐ E. TANK, BELOW GROUND | | | i | WASTE OIL PROCES | | 06 AREA OF SITE |
| G. LANDFARM | | | 1 | SOLVENT RECOVER OTHER RECYCLING | | 45 (Acres) |
| ☐ H. OPEN DUMP | | | | OTHER | necoveni | (************************************** |
| ☐ I. OTHER | | | | | icify) | |
| (Specify) 07 COMMENTS | | | | | · | <u> </u> |
| IV CONTAINMENT | | | | | | |
| IV. CONTAINMENT 01 CONTAINMENT OF WASTES (Check one) | | | | | | |
| □ A. ADEQUATE, SECURE | ☐ B. MODERATE | □ C. th | IADEQI | JATE, POOR | D. INSEÇI | JRE, UNSOUND, DANGEROUS |
| 02 DESCRIPTION OF DRUMS, DIKING, LINERS, BAR | DIEDO ETO | | | | | |
| No cap or liner or | 1 | ased | ON | well logs | of Sife | • |
| V. ACCESSIBILITY | | | | | | |
| 01 WASTE EASILY ACCESSIBLE: YES 02 COMMENTS | □ NO | | | | | |
| VI. SOURCES OF INFORMATION (Cite special | tic references, e.g. state files, sample | e analysis, repo | orts) | - | ··································· | |
| JEPA BLPC files | | | | | · | |
| | | | | | | |

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POTENTIAL HAZARDOUS WASTE SITE

| | TRICATION | |
|----------|------------------------|-----|
| 01 STATE | 02 SITE NUMBER 0006 72 | _ |
| ILD | 000677 | 329 |

| SEPA | PART 5 - WATER | | PECTION REPORT APHIC, AND ENVIRONMENTAL DATA OF STATE 102 SITE NUMBER ILD 00672 329 | | | | |
|--|---|--------------------------------|---|--|--|--|--|
| II. DRINKING WATER SUPPLY | | | | | | | |
| 01 TYPE OF DRINKING SUPPLY (Check as applicable) | | 02 STATUS | | | 03 DISTANCE TO SITE | | |
| SURFACE | WELL | ENDANGERE | | MONITORED | upstream | | |
| COMMUNITY A. # | B. 🗆 | A. 🖸 | B. □ E. ■ | C. ⊞ F. □ | A. INtake (mi) | | |
| NON-COMMUNITY C. | D. 🖬 | D. 🗅 | E | F. U | B. <u>• 5 T (mi)</u> | | |
| III. GROUNDWATER 01 GROUNDWATER USE IN VICINITY (Check | | | | | | | |
| ☐ A. ONLY SOURCE FOR DRINKING | B. DRINKING (Other sources available) | DUSTRIAL, IRRIGATION | (Limited other | CIAL, INDUSTRIAL, IRRIGA r sources available) | TION D. NOT USED, UNUSEABLE | | |
| 02 POPULATION SERVED BY GROUND WA | TER >50 | | 03 DISTANCE TO NE | AREST DRINKING WATER | WELL .34 (mi) | | |
| 04 DEPTH TO GROUNDWATER | 05 DIRECTION OF GRO | UNDWATER FLOW | OF CONCERN | OF AQUIFER | LD 08 SOLE SOURCE AQUIFER (gpd) Type I NO | | |
| PT'S Show alub well the AOC (alluvium alluvium. Most peo 10 RECHARGE AREA YES COMMENTS NO infiltration i | phe with th | iese wells | So Screened are also 11 DISCHARGE AREA 1 YES COMM | hooked into | the Community supply | | |
| IV. SURFACE WATER | | | | | | | |
| 01 SURFACE WATER USE (Check one) A. RESERVOIR, RECREATION DRINKING WATER SOURCE | | N, ECONOMICALLY T RESOURCES | ☐ C. COMME | RCIAL, INDUSTRIAL | ☐ D. NOT CURRENTLY USED | | |
| 02 AFFECTED/POTENTIALLY AFFECTED B | ODIES OF WATER | | | | | | |
| name: Mississippi River | | , | | AFFECTED | DISTANCE TO SITE | | |
| | | | | | (mi) | | |
| | | | | | (mi) | | |
| V. DEMOGRAPHIC AND PROPERT | Y INFORMATION | | | | | | |
| 01 TOTAL POPULATION WITHIN | | | | 02 DISTANCE TO NEAR | EST POPULATION | | |
| | VO (2) MILES OF SITE 3. 30 000 NO. OF PERSONS | C | MILES OF SITE 15 000 D. OF PERSONS | | . 5 (mi) | | |
| 03 NUMBER OF BUILDINGS WITHIN TWO (2 |) MILES OF SITE | | 04 DISTANCE TO NE | AREST OFF-SITE BUILDING | 3 | | |
| 30, | 000 | | | .2 | (mi) | | |
| 05 POPULATION WITHIN VICINITY OF SITE | Provide narrative description of | nature of population within v | cinity of site, e.g., rural, vill | age, densely populated urban a | (02) | | |
| population consisted less densely popul | ts of large ated villages | metropolit | ian areas | IN St. Lowis | spous well as | | |
| | | | | | | | |

See page 5-6 of report

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|---|---|----|
| V | | |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

| 1. IDEN | TIFICATION |
|----------|----------------|
| 01 STATE | 02 SITE NUMBER |
| ILD | 000672329 |

| | | |
|---|---------|-------------|
| AST RESPONSE ACTIVITIES (Continued) | | |
| 01 P. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 S. CAPPING/COVERING 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 T. BULK TANKAGE REPAIRED O4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 U. BOTTOM SEALED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 🗆 W. GAS CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 X. FIRE CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 ☐ Y. LEACHATE TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 Z. AREA EVACUATED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 2. POPULATION RELOCATED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION | 02 DATE | 03 AGENCY |

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA BLPC file 1631210020



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER 3Z9

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION [] YES | INO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

TEPA BLPC Files 1631210020

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION 01 STATE 02 SITE NUMBER 1LD 000672329

| PART 5- WA | ATER, DEMOGRAPHI | C, AND ENVIRONMENTAL DATA |
|---|---|--|
| VI. ENVIRONMENTAL INFORMATION | | |
| 01 PERMEABILITY OF UNSATURATED ZONE (Check one) | | |
| ☐ A. 10 ⁻⁶ - 10 ⁻⁸ cm/sec ☐ B. 10 | 0-4 10 ⁻⁶ cm/sec | C. 10 ⁻⁴ − 10 ⁻³ cm/sec |
| 02 PERMEABILITY OF BEDROCK (Check one) | | |
| | ELATIVELY IMPERMEABL 10 ⁻⁴ – 10 ⁻⁶ cm/sec) | E C. RELATIVELY PERMEABLE (10 ⁻² ~ 10 ⁻⁴ cm/sec) D. VERY PERMEABLE (Greater than 10 ⁻² cm/sec) |
| 03 DEPTH TO BEDROCK 04 DEPTH OF CONTA | AMINATED SOIL ZONE | 05 SOIL pH |
| (11) | M K (III) | <u>nyk</u> |
| 06 NET PRECIPITATION 07 ONE YEAR 24 HO | UR RAINFALL | 08 SLOPE DIRECTION OF SITE SLOPE TERRAIN AVERAGE SLOPE |
| 35 (in) 2.5 | (in) | <u>⟨Z</u> * W <u>⟨Z</u> * |
| 09 FLOOD POTENTIAL 10 | | |
| SITE IS IN 500 YEAR FLOODPLAIN | | R ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY |
| 11 DISTANCE TO WETLANDS (5 acre minimum) | | 12 DISTANCE TO CRITICAL HABITAT (of endangered species) |
| ESTUARINE OTI | HER | uak (mi) |
| A(mi) B | (mi) | ENDANGERED SPECIES: |
| 13 LAND USE IN VICINITY | | |
| DISTANCE TO: | | |
| RESI COMMERCIAL/INDUSTRIAL | IDENTIAL AREAS; NATION FORESTS, OR WILDLIFE | |
| A(mi) | B. ,5 | (mi) C(mi) D(mi) |
| 14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOP | POGRAPHY | |
| Sec map Section | u in report | appandix A+B |
| Jee 1147 | 11 11 - Por (| uklainink . • |
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| | | |
| WIL COURSES OF INFORMATION | | |
| VII. SOURCES OF INFORMATION (Cite specific references | | ports) |
| USGS Topographic Maps National Wetlands Inven | Ntory Maps | |
| | , | |
| | | |

| | Di | OTENTIAL HAZA | | I. IDENTIFI | CATION | |
|---------------------------|-------------------------------|---------------------------------|------------|--|-----------|--------------------------------------|
| \$EPA | | SITE INSPEC RT 6 - SAMPLE AN | | 01 STATE 02 STE NUMBER 14D 0006.72.329 | | |
| II. SAMPLES TAKEN | | | <u> </u> | · · · · · · · · · · · · · · · · · · · | | |
| SAMPLE TYPE | 01 NUMBER OF SAMPLES TAKEN | 02 SAMPLES SENT TO | | | | 03 ESTIMATED DATE RESULTS AVAILAB |
| GROUNDWATER | | Previous | Sample | data | | |
| SURFACE WATER | | use is | | | | |
| WASTE | | | · | | | |
| AIR | | | | | | |
| RUNOFF | | | | | | |
| SPILL | | | | | | |
| SOIL | | | | | | |
| VEGETATION | | | | | | |
| OTHER | | | | | | |
| III. FIELD MEASUREMENTS T | AKEN | | | · · · · · · · · · · · · · · · · · · · | | |
| 01 TYPE HNU readings | 02 COMMENTS HUL 11.7 e | v found a | constant 4 | t units c | bove back | rground |
| . | on the dou | nwind side | of site | 0 , at 1 | sertain a | ureas |

03 ESTIMATED DATE RESULTS AVAILABLE

IV. PHOTOGRAPHS AND MAPS

to ground level

| 01 TYPE GROU | JND - AERIAL | 02 IN CUSTODY OF JEPA: USEPA: E+E, INC. (Name of organization or individual) |
|--------------|---------------------|--|
| 03 MAPS | 04 LOCATION OF MAPS | |
| ₩ YES | in report | appendix A +B |
| □ NO | | |

the HNU read 150 units above background when Next

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

DEPA BLAC files 1631210020

| ⇔EPA | | PARI 7-OW | NER INFORMATION | | 006723 |
|--|---------------------------------------|----------------------------------|---|--------------------------------|---------------|
| . CURRENT OWNER(S) | | | PARENT COMPANY (If applicab | · | |
| NAME | , | 02 D+B NUMBER | OB NAME | lo | 9 D+B NUMBER |
| Klage of Sauget | · · · · · · · · · · · · · · · · · · · | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD | # arc ! | 11 SIC CODE |
| 2897 Folling Springs | Rd. | 0.0000 | TO GIVE ET ROUTEGO (P.O. BOX, NED | ♥, ₩IC.) | III GOODE |
| CITY | 06 STATE | 07 ZIP CODE | 12 CITY | 13 STATE 1 | 4 ZIP CODE |
| Sauget | 112 | 62201 | | | |
| NAME | - | 02 D+B NUMBER | 08 NAME | 0 | 9 D+B NUMBER |
| 3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD | ♥, etc.) | 11 SIC CODE |
| 5 CITY | 06 STATE | 07 ZIP CODE | 12 CITY | 13 STATE | 4 ZIP CODE |
| I NAME | | 02 D+8 NUMBER | 08 NAME | | 9 D+B NUMBER |
| | | | | | |
| 3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box. RFD | #, etc) | 11 SIC CODE |
| 5 CITY | 06 STATE | 07 ZIP CODE | 12 CITY | 13 STATE 1 | 4 ZIP CODE |
| 1 NAME | | 02 D+B NUMBER | OB NAME | 1 | 9D+B NUMBER |
| O3 STREET ADDRESS (P. O. Box, RFD #, etc.) | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 11 SIC CODE |
| 5 CITY | 06 STATE | 07 ZIP CODE | 12 CITY | 13 STATE | 14 ZIP CODE |
| II. PREVIOUS OWNER(S) (List most recent t | Wel) | <u> </u> | IV. REALTY OWNER(S) (# appli | cable: list most recent first) | |
| Clayton Chemical Co | ` | 02 D+B NUMBER | 01 NAME | (| 2 D+B NUMBER |
| Clayton Chemical Ce 3 STREET ADDRESS (P.O. BOX. AFD #. OC.) 1 Mobile Ave | <u> </u> | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD | ₽, etc.) | 04 SIC CODE |
| 5 CITY | | O7 ZIP CODE | 05 CITY | 06 STATE | D7 ZIP CODE |
| Souget, | 11 | 62201 | | | |
| NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| 3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box. RFD | ø. etc.) | 04 SIC CODE |
| COTY | 06 STATE | 07 ZIP CODE | 05 CITY | OS STATE | 07 ZIP CODE |
| I NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| 3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD | P, etc.) | 04 SIC CODE |
| спу | 06STATE | 07 ZIP CODE | 05 CITY | 06 STATE | O7 ZIP CODE |
| 7. SOURCES OF INFORMATION (Cito 2) | pecific references. | e.g., state files, sample analys | ils, reports) | | |
| | | | | | |
| IEPA BLPC Gles 163 | 1210020 | 5 | | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

| I. IDENT | TEICATION |
|----------|----------------|
| 01 STATE | 02 SITE NUMBER |
| ILD | 000672329 |

| ~ · · | | | PART 8 - OPER | ATOR INFORMATION | <u> </u> | OULEUN | |
|---|------------------------------|--|-------------------------------------|---|-----------------------|--------------|--|
| II. CURRENT OPERAT | OR (Provide il ditterent fro | m owner) | | OPERATOR'S PARENT COMPANY (If applicable) | | | |
| 01 NAME | 1 NAME 02 | | | 10 NAME | 111 | D+B NUMBER | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD a | F. etc.) | 13 SIC CODE | |
| 05 CITY | | 06 STATE | 07 ZIP COD€ | 14 CITY | 15 STATE 16 | B ZIP CODE | |
| 08 YEARS OF OPERATION | 09 NAME OF OWNER | <u> </u> | | | | ·-··· | |
| III. PREVIOUS OPERAT | OR(S) (List most recent i | irst; provide only | It different from owner) | PREVIOUS OPERATORS' PA | ARENT COMPANIES (# ap | plicable) | |
| O1 NAME | · | | 02 D+B NUMBER | 10 NAME | 1 | 1 D+8 NUMBER | |
| O3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD of | ø, etc.) | 13 SIC CODE | | |
| 05 CITY | | 06 STATE | 07 ZIP CODE | 14 CITY | 15 STATE 1 | 8 ZIP CODE | |
| 08 YEARS OF OPERATION | 09 NAME OF OWNER | DURING THIS | PERIOD | | | • | |
| 01 NAME | <u> </u> | [| 02 D+B NUMBER | 10 NAME | 1 | 1 D+B NUMBER | |
| 03 STREET ADDRESS (P.O. Bo | ож, RFD #, etc.) | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD & | r, etc.) | 13 SIC CODE | |
| 05 CITY | | 06 STATE | 07 ZIP CODE | 14 CITY | 15 STATE 1 | 8 ZIP CODE | |
| 08 YEARS OF OPERATION | 09 NAME OF OWNER | DURING THIS | PERIOD | | | | |
| 01 NAME | | | 02 D+8 NUMBER | 10 NAME | [1 | 1 D+B NUMBER | |
| 03 STREET ADDRESS (P.O. Bo | ox, RFD #, etc.) | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD 4 | F. e(c.) | 13 SIC CODE | |
| 05 CITY | | 06 STATE | 07 ZIP CODE | 14 CITY | 15 STATE 1 | 8 ZIP CODE | |
| 08 YEARS OF OPERATION | 09 NAME OF OWNER | DURING THIS | PERIOD | | | | |
| IV. SOURCES OF INFO | RMATION (Cite special | ic references. e. | g., state files, sample snelv | ain, reports) | | | |
| | | | | | | | |

TEPA BLPC file 1631210020

| 0.550 | POTENTIAL HAZARDOUS WASTE SITE | | | I. IDENTIFICATION 01 STATE 02 SITE NUMBER | | |
|---|--------------------------------|------------------------|------------------------------|---|-----------|---------------|
| \$EPA | | SITE INSPECTION REPORT | | | ILD 0 | 00672329 |
| | PART | 9 - G | ENERATOR/TR | ANSPORTER INFORMATION | | |
| II. ON-SITE GENERATOR | | 100 0 | L D AU IMADEO | | | |
| 01 NAME | | 020 | +BNUMBER | | | |
| O3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 4 | | | |
| OS STREET ADDRESS (F.O. DUI, APDV, NO.) | | 04 000 0002 | | | | |
| 05 CITY | 06 STATE | 07 ZI | P CODE | 1 | | |
| · | | | | | | |
| III. OFF-SITE GENERATOR(S) | <u> </u> | <u> </u> | | | | |
| O1 NAME | | 02 D | + B NUMBER | O1 NAME | | 02 D+B NUMBER |
| See report page Z-9 03 STREET ADDRESS (P.O. BOX, AFD & Mc.) | \ | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, Mc.) | | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD#, etc.) | | 04 SIC CODE |
| | | | | | | |
| 05 CITY | 06 STATE | 07 Z | IP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| 01 NAME | | 02 D | +B NUMBER | 01 NAME | | 02 D+B NUMBER |
| | | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | | 04 SIC CODE | O3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| - | | | | | | |
| 05 CITY | 06 STATE | 07 Z | PCODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| | <u>l</u> | <u> </u> | | <u> </u> | | |
| IV. TRANSPORTER(S) 01 NAME | | loan | +B NUMBER | Totalant | | |
| UT NAME | | 02 5 | TONOMBER | 01 NAME | | 02 D+8 NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | Ц- | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | | | | | | |
| 05 CITY | 06 STATE | 07 Z | P CODE | 05 CITY | OB STATE | 07 ZIP CODE |
| | | | | | | |
| 01 NAME | • | 02 D | + B NUMBER | 01 NAME | | 02 D+B NUMBER |
| | | <u> </u> | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| 05 CITY | IOS STATE | 107.7 | IP CODE | 05 CITY | ING CTATE | 07 ZIP CODE |
| 05 G1 Y | | " - | II OODE | OS CITT | 100 SIAIL | O' ZIP CODE |
| V. SOURCES OF INFORMATION (Cite specific | | | ria filas parania sacionia a | | | |
| | | | | epons) | | |
| IEPA BLPC file 1631. | 2100 | 20 | • | | | |
| | | | | | | |
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EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

| I. | IDENT | TIFICAT | ION | | |
|----|-------|---------|------|----------|----|
| 01 | STATE | 02 SITE | NUMB | 田 ク つ | 20 |

| | PART 10 - PAST RESPONSE ACTIVITIES | 10006 12327 |
|--|------------------------------------|-------------|
| II. PAST RESPONSE ACTIVITIES | | |
| 01 A. WATER SUPPLY CLOSED | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | · | |
| 01 D B. TEMPORARY WATER SUPPLY PROVIDE | ED 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| 01 C. PERMANENT WATER SUPPLY PROVIDE | ED 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | 02 SAIL | OS NGLINOT |
| 01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 🗇 E. CONTAMINATED SOIL REMOVED | 02 DATE 1983 | 03 AGENCY |
| 04 DESCRIPTION 7800 yd 3 pla | ced on property and cover | ed |
| 01 D F. WASTE REPACKAGED | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| 01 G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION | O2 DATE | 03 AGENCY |
| | | |
| 01 ☐ H. ON SITE BURIAL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| · | | |
| 01 . IN SITU CHEMICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 D J. IN SITU BIOLOGICAL TREATMENT | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | <u> </u> | |
| 01 D K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| | | |
| 01 L ENCAPSULATION 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| | | |
| 01 M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 □ N. CUTOFF WALLS | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | VE UNIE | ov nulity i |
| 01 O. EMERGENCY DIKING/SURFACE WATER | R DIVERSION 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| 01 P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| | | |
| 01 Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE I OCATION AND INSPECTION INFORMATION

| I. IDENTIFICATION | | | | | | |
|-------------------|----------------|--|--|--|--|--|
| 01 STATE | 02 SITE NUMBER | | | | | |
| ILD | 000605790 | | | | | |

| PART 1 - SITE LOCATION AND INSPECTION INFORMATION | | | | | | |
|--|-------------------------|-------------------------|---------------------------------------|-----------------------------|---|--|
| II. SITE NAME AND LOCA | ATION | | | <u>,== ,,</u> | <u> </u> | |
| | | | 2 STREET, ROUTE NO., OR SE | PECIFIC LOCATION IDENTIFIER | | |
| Sauget and (| Co. Landfill(A | KA Site Q) | Monsanto 1 | nve | | |
| Sauget/Ca | chokia | | 1L 62201 | St. Clair | 07COUNTY 08 CONG CODE DIST 163 23 | |
| 383500.0 | 0 96 17 50.0 | A. PRIVATE | | C. STATE D. COUNT | | |
| III. INSPECTION INFORM | ATION 02 SITE STATUS | 03 YEARS OF OPERATIO | | | | |
| 06,25,91 MONTH DAY YEAR | ■ ACTIVE ★ | 1962 | | | N | |
| 04 AGENCY PERFORMING INSI | | | | | | |
| □ A. EPA □ B. EPA C | ONTRACTOR E+E (N | lame of firm) | □ C. MUNICIPAL □ D. M □ G. OTHER | NUNICIPAL CONTRACTOR _ | (Name of firm) | |
| | CONTRACTOR | (eme of firm) | LI G. OTHER | (Specify) | | |
| 05 CHIEF INSPECTOR | | EPS | | 07 ORGANIZATION TEPA | 08 TELEPHONE NO. (217) 782-6760 | |
| Tim Murphy | | 10 TITLE | | 11 ORGANIZATION | 12 TELEPHONE NO. | |
| Greg Spence | | EPS | · · · · · · | li | () H | |
| Bruce Ford | | EPE | | it | () 11 | |
| Kim Nika | | EPS | | ч | () 1 | |
| Paul Takac | 5 | EPE | · · · · · · · · · · · · · · · · · · · | и | () u | |
| | | | | | () | |
| 13 SITE REPRESENTATIVES IN | | Peavey, In | 15ADDRESS | | 16 TELEPHONE NO | |
| Stave Oaks | • | 1 | UNKNOW | ٧ | () UNK | |
| | | | | | () | |
| | | | | | () | |
| | | | | | () | |
| | | | | | () | |
| | | | | | () | |
| 47 1000000 | Lio This Of Monton | 10.145 | 10010 | | | |
| 17 ACCÉSS GAINED BY (Check one) PERMISSION WARRANT | 9:30 am | SUNNY, | | | | |
| IV. INFORMATION AVAIL | LABLE FROM | | | | | |
| 01 CONTACT | | 02 OF (Agency/Organizat | lion) | | 03 TELEPHONE NO. | |
| None | | | | | () | |
| 04 PERSON RESPONSIBLE FO | _ | 05 AGENCY | 06 ORGANIZATION | 07 TELEPHONE NO. | OB DATE | |
| Timothy J | . Murphy | IEPA | DLPC/RPMS | 5 (211) 782-6760 | 9 /3 , 9/ | |
| EPA FORM 2070-13 (7-81) | | | | | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

| I. IDENTIFICATION | |
|--------------------------|--|
| | |
| O1 STATE O2 SITE MINAGED | |

01 STATE | 02 SITE NUMBER | 140 | 000 | 605 790

| VLI | ^ | | PART 2 - WAST | E INFORMATION | | 170 00 | 0605740 |
|--------------|--------------------------------|--|---------------------------------|--------------------|---------------------------------|------------------|--------------------------------|
| II. WASTE ST | TATES, QUANTITIES, AN | D CHARACTER | ISTICS | | | | |
| | | ITY AT SITE of weste quantities undependent! | ■ A. TOXIC | | BLE I. HIGHL TIOUS IJ. EXPLO | | |
| ☐ C. SLUDGE | ☐ G. GAS | CUBIC YARDS | | ☐ C. RADIOA | | ABLE 🗆 L. INCOI | |
| | (Specify) | NO. OF DRUMS . | | <u></u> | | | |
| III. WASTE T | YPE | | | | | | |
| CATEGORY | SUBSTANCE N | AME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS | | |
| SLU | SLUDGE | | UNK | | | | |
| OLW | OILY WASTE | | <u> </u> | | | | |
| SOL | SOLVENTS | | | | | | |
| PSD | PESTICIDES | | | | | | |
| occ | OTHER ORGANIC CH | IEMICALS | unk | | | _ | |
| IOC | INORGANIC CHEMIC | ALS | | | | | |
| ACD | ACIDS | | | | | | |
| BAS | BASES | | | | | | |
| MES | HEAVY METALS | | | | | | |
| IV. HAZARDI | DUS SUBSTANCES (See A) | pendix for most frequen | tly cited CAS Numbers) | | | | |
| 01 CATEGORY | 02 SUBSTANCE N | AME | 03 CAS NUMBER | 04 STORAGE/DISF | POSAL METHOD | 05 CONCENTRATION | 06 MEASURE OF CONCENTRATION |
| | See report pages 2 | | | | | <u></u> | |
| | pages 2 | -14, 2-15 | | | | | |
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| | | | | | | | |
| V. FEEDSTO | CKS (See Appendix for CAS Numb | ers) | <u> </u> | 1 | | I. | |
| CATEGORY | 01 FEEDSTOC | K NAME | 02 CAS NUMBER | CATEGORY | 01 FEEDST(| DCK NAME | 02 CAS NUMBER |
| FDS | | · · · · · · · · · · · · · · · · · · · | | FDS | | | |
| FDS | | | | FDS | | | |
| FDS | | | | FDS | - | | |
| FDS | | | | FDS | | | |
| VI. SOURCES | OF INFORMATION (Che | specific references, e.g. | , state files, sample analysis, | reports) | | _ | |
| | BLAC Files 1 | | | | | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

1 STATE 02 SITE NUMBER

1 LD 000 605 790

| A. GROUNDWATER CONTAMINATION | 02 OBSERVED (DATE: Pring 87 |) D POTENTIAL | ☐ ALLEGED |
|---|---|----------------|-----------|
| POPULATION POTENTIALLY AFFECTED: >50 | 04 NARRATIVE DESCRIPTION |) II FOTENTIAL | - ACCEGED |
| 11 volatiles were found | during 1988 Study | | |
| B. SURFACE WATER CONTAMINATION POPULATION POTENTIALLY AFFECTED: | | | |
| il Sample from pipe extering to the pipe | river shows that wastes w | vera dumped il | legally |
| © C. CONTAMINATION OF AIR POPULATION POTENTIALLY AFFECTED: 175000 PCB'S, Phenols, Solvents A | |) ☐ POTENTIAL | □ ALLEGED |
| D. FIRE/EXPLOSIVE CONDITIONS POPULATION POTENTIALLY AFFECTED: NONE documented or or | |) POTENTIAL | □ ALLEGED |
| # E. DIRECT CONTACT POPULATION POTENTIALLY AFFECTED: UNK Contamination < Z' at w | 04 NARRATIVE DESCRIPTION |) POTENTIAL | □ ALLEGED |
| F. CONTAMINATION OF SOIL AREA POTENTIALLY AFFECTED: (Acros) | 02 OBSERVED (DATE: 06/26/91 04 NARRATIVE DESCRIPTION |) POTENTIAL | . ALLEGED |
| See report G. DRINKING WATER CONTAMINATION 750 POPULATION POTENTIALLY AFFECTED: 750 Nearby Well may have a | | POTENTIAL | □ ALLEGED |
| well has chloroform, same | 02 OBSERVED (DATE: |) DOTENTIAL | □ ALLEGED |
| WORKERS POTENTIALLY AFFECTED: | 04 NARRATIVE DESCRIPTION | | |
| | | | |
| I. POPULATION EXPOSURE/INJURY POPULATION POTENTIALLY AFFECTED: | 02 □ OBSERVED (DATE: 04 NARRATIVE DESCRIPTION |) | □ ALLEGED |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

| | ١. | INFW | IPICA | TION | |
|---|----|-------|---------|----------|--|
| l | - | | | NUMBER | |
| ı | 01 | STATE | 02 SITI | E NUMBER | |
| | | | | | |

| PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS | ILD OC | 5605 740 |
|---|--------------------|-------------|
| II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued) | | |
| 01 ■ J. DAMAGE TO FLORA 02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL | □ ALLEGED |
| stressed vegitation observed in many areas | | |
| especially Panhandle Section | | |
| 01 K. DAMAGE TO FAUNA 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION (Include name(s) of species) | ■ POTENTIAL | ☐ ALLEGED |
| 04 (ANTICHTIEC DECOLITE TION (Include name) of species) | | |
| | | |
| 01 ■ L. CONTAMINATION OF FOOD CHAIN 02 □ OBSERVED (DATE:) | POTENTIAL | ☐ ALLEGED |
| | | ALLEGED |
| Leachate has been observed coming Off site Q in Missis | Sippinio | |
| | | |
| 01 M. UNSTABLE CONTAINMENT OF WASTES 02 BOBSERVED (DATE: 6/5/9/) | ☐ POTENTIAL | ☐ ALLEGED |
| (Spits/Runoff/Standing liquids, Leaking drums) 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION | | |
| Visual contemination observed including drums, | | |
| J | | |
| 01 \(\text{N} \) DAMAGE TO OFFSITE PROPERTY \(\text{02 \(\text{D} \) OBSERVED (DATE: \(DATE: \(\text{DATE: \) \\ \text{DATE: \(\text{DATE: \) \\ \text{DATE: \(\text{DATE: \(\text{DATE: \(\text{DATE: \) \\ \text{DATE: \(\text{DATE: \(\text{DATE: \(\text{DATE: \(\text{DATE: \) \\ \text{DATE: \(\text{DATE: \) \\ \text{DATE: \(\text{DATE: \(\text{DATE: \) \\ \\ \text{DATE: \\ \text{DATE: \\ \text{DATE: \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | □ POTENTIAL | □ ALLEGED |
| none documented or observed | | |
| hone accumented or a served | | |
| 01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 OBSERVED (DATE:) | □ POTENTIAL | ☐ ALLEGED |
| 04 NARRATIVE DESCRIPTION | | |
| none documented or observed | | |
| | | |
| 01 ♣ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ♣ OBSERVED (DATE: 4/25/91) 04 NARRATIVE DESCRIPTION | ☐ POTENTIAL | ☐ ALLEGED |
| Pipe, drums, pipes of waste were observed | | |
| , , , , , , , , , , , , , , , , , , , | | |
| | | |
| 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS | | - |
| | | |
| | | |
| | | |
| III. TOTAL POPULATION POTENTIALLY AFFECTED: | | |
| IV. COMMENTS | | |
| | | |
| | | |
| | | |
| V. SOURCES OF INFORMATION (Cite specific references. e. g. state files, sample analysis, reports) | | |
| DEPA BLPC files 1631210001 | | |
| | | |

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|---|---|----|
| V | L | |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

| | IFICATION |
|----------|-------------------------------|
| 01 STATE | 02 SITE NUMBER 000605 7 90 |
| ILD | 000605790 |

| | PART 4 - PERMI | T AND DE | SCRIP | TIVE INFORMATI | ION | ILD 1000603 170 |
|---|---------------------|--|--------------|----------------------------|-------------|---------------------------------------|
| II. PERMIT INFORMATION | | | | | | |
| 01 TYPE OF PERMIT ISSUED (Check all that apply) | 02 PERMIT NUMBER | 03 DATE IS | SSUED | 04 EXPIRATION DATE | 05 COMMENTS | |
| | | | | | | |
| ☐ A. NPDES | | _ | | | | · · · · · · · · · · · · · · · · · · · |
| □ B. UIC | | | | | | |
| □ C. AIR | | | | <u> </u> | | |
| D. RCRA | | | | | | |
| E. RCRA INTERIM STATUS | | | | | | |
| ☐ F. SPCC PLAN | | | | | | |
| G. STATE (Specify) | | | | | | |
| ☐ H. LOCAL (Specify) | | | | | | |
| ☐ I. OTHER (Specify) | | | | | | |
| J. NONE | | | | <u> </u> | <u> </u> | |
| III. SITE DESCRIPTION | | | | | | |
| 01 STORAGE/DISPOSAL (Check all that apply) | 02 AMOUNT 03 UNIT 0 | OF MEASURE | 04 TF | REATMENT (Check all that a | DO(Y) | 05 OTHER |
| ☐ A. SURFACE IMPOUNDMENT | | | □ A. | INCENERATION | | * • P. W. P. (20 C) |
| ☐ B. PILES | <u>coal</u> unk | | □ в. | UNDERGROUND INJ | ECTION | A. BUILDINGS ON SITE |
| C. DRUMS, ABOVE GROUND | | | □ c . | CHEMICAL/PHYSICA | NL. | |
| D. TANK, ABOVE GROUND | | | | BIOLOGICAL | | |
| E. TANK, BELOW GROUND | 90 ac | res | _ | WASTE OIL PROCES | | 06 AREA OF SITE |
| F. LANDFILL | <u> </u> | . 23 | | SOLVENT RECOVER | | 90 |
| ☐ G. LANDFARM ☐ H. OPEN DUMP | | | l | OTHER RECYCLING/ | RECOVERY | (Acres) |
| ☐ I. OTHER | | | ⊔ H . | OTHER | ecify) | |
| (Specify) | | | | | | |
| IV. CONTAINMENT 01 CONTAINMENT OF WASTES (Check one) | | | | | | |
| ☐ A. ADEQUATE, SECURE | ☐ B. MODERATE | □ C. IA | IADEQI | JATE, POOR | ♣ D. INSEC | CURE, UNSOUND, DANGEROUS |
| | | | | | | |
| 02 description of drums. diking, liners None liner, | | sed dr | ums | ! | | |
| , , , , , , , , , , , , , , , , , , , | | | | | | |
| | | | | | | |
| V. ACCESSIBILITY | | | | | | |
| 01 WASTE EASILY ACCESSIBLE: Y 02 COMMENTS | ES D NO | | | | | |
| WI COURCES OF INFORMATION OF | | | | | | |
| VI. SOURCES OF INFORMATION (CH | | ipria arranysis, repo | n (\$) | | | |
| TEPA BLAC file 16 | 031210001 | | | | | |
| Site Recon 6/5/9 | 1 | | | | | |
| | | | | | | |

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POTENTIAL HAZARDOUS WASTE SITE

| I. IDENT | TFICATION |
|----------|------------------------------|
| 01 STATE | 02 SITE NUMBER 000605 790 |

| VEPA | | PART 5 - WATER | SITE INSPEC DEMOGRAPHI , | | •••• | ENTAL DATA | الـــ | 0006057 | 190 |
|---|-----------------------|--|--------------------------------|---|--------------------------------|--------------------------------------|---------|-------------------------|----------|
| II. DRINKING WATER | SUPPLY | | | | | | | | |
| 01 TYPE OF DRINKING SUP (Check as applicable) | PLY | | 02 STATUS | | | | 0: | DISTANCE TO SITE | |
| | SURFACE | WELL | ENDANGERE | | | MONITORED | | upstream | |
| COMMUNITY | A. 🕵 | B. 🗆 | A. 🗆 | B. | _ | C. 🗰 | A | intake (mi) | |
| NON-COMMUNITY | C. 🗆 | D. 🛍 | D. 🗆 | E. | | F. 🗆 | В | (mi) | |
| III. GROUNDWATER | | | | | | | | | |
| O1 GROUNDWATER USE IN | | B. DRINKING (Other sources availat | DUSTRIAL, IRRIGATIO | (Li | OMMERCIAL, nited other soul | INDUSTRIAL, IRRIGA ces available) | TION | □ D. NOT USED, UNUSEABI | LE |
| 02 POPULATION SERVED B | Y GROUND WAT | - > 50 | _ | 03 DISTANC | TO NEARE | ST DRINKING WATER | WELL | , 3 (mi) | |
| 04 DEPTH TO GROUNDWAT | ER (ft) | 05 DIRECTION OF GRO | UNDWATER FLOW | 06 DEPTH TO OF CONC | ERN | 07 POTENTIAL YIE OF AQUIFER | | 08 SOLE SOURCE AQUIF | _ |
| 09 DESCRIPTION OF WELL | | L | | | (11) | | _ (gpd) | L | |
| PT'S Showc 10 RECHARGE AREA PYES COMMENTS | lub well high | porosity | ommunty | Well Sc 11 DISCHARI # YES □ NO | COMMEN | over 75 per 18 | ple | from the foc | <u>)</u> |
| □ NO | alluvio | ul plain' | · | U NO | W. | ંવ વ ાંટર હિટ | Kive | <i>Y</i> | |
| IV. SURFACE WATER | | | | | _ | | | | |
| A. RESERVOIR, REDRINKING WATE 22 AFFECTED/POTENTIALL | CREATION ER SOURCE | IMPORTAN | N, ECONOMICALLY T RESOURCES | ′ 🗆 C. O | OMMERCI. | AL, INDUSTRIAL | | D. NOT CURRENTLY US | ED |
| NAME: | | | | | | AFFECTED | | DISTANCE TO SITE | |
| Mississippi | River | | | | | | | 0 | (mi) |
| | | · | | | | | _ | | (mi) |
| | | | | | | | _ | | (mi) |
| V. DEMOGRAPHIC AN | D PROPERT | Y INFORMATION | | | | | | | |
| 01 TOTAL POPULATION WIT | HIN | | | | 02 | DISTANCE TO NEAR | EST POP | ULATION | |
| ONE (1) MILE OF SITE A. 2500 NO. OF PERSONS | TW. | (O (2) MILES OF SITE . 30,000 NO. OF PERSONS | | 3) MILES OF S 5000 10. OF PERSONS | SITE - | | ٠5 | (mi) | |
| 03 NUMBER OF BUILDINGS | WITHIN TWO (2) | MILES OF SITE | | 04 DISTANCE | TO NEARES | ST OFF-SITE BUILDING | 3 | | |
| | 30,000 | 2 | | | | | (| mi) | |
| 05 POPULATION WITHIN VIC | INITY OF SITE (F | Provide narrative description of | nature of population within | vicinity of site, e.g | , rural, village, e | densely populated urban a | ·ea) | | |
| Population | eonsist. | s of large 1 | metropolitic | - | _ | | | s well as | |
| less densel | y popula | ted villages | | | | | | | |
| | | 2 | | | | | | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5. WATER DEMOGRAPHIC AND ENVIRONMENTAL I

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 000 605790

| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | PART 5 - WATER, DEMOGRAPH | IC, AND ENVIRONMENTAL DATA | 7 000 0031 10 |
|--|--|--|--|
| VI. ENVIRONMENTAL INFORMAT | ION | | |
| 01 PERMEABILITY OF UNSATURATED ZON | NE (Check one) | | |
| ☐ A. 10 ⁻⁶ — 10 ⁻⁸ | cm/sec | C. 10 ⁻⁴ − 10 ⁻³ cm/sec | 10 ⁻³ cm/sec |
| 02 PERMEABILITY OF BEDROCK (Check one | 9) | | |
| ☐ A. IMPERME (Less than 10° | | LE C. RELATIVELY PERMEABLE D. VERY (10 ⁻² - 10 ⁻⁴ cm/sec) (Greater | PERMEABLE than 10 ⁻² cm/sec) |
| 03 DEPTH TO BEDROCK | 04 DEPTH OF CONTAMINATED SOIL ZONE | 05 SOIL pH | |
| >100_(ft) | (H) | <u>unk</u> | |
| | 07 ONE YEAR 24 HOUR RAINFALL | 08 SLOPE DIRECTION OF SITE SLOPE | TERRAIN AVERAGE SLOPE |
| 35(in) | 2.5 (in) | <2 % W | <2 % |
| 09 FLOOD POTENTIAL | 10 | | |
| SITE IS IN 100 YEAR FLOO | DPLAIN SITE IS ON BARRI | ER ISLAND, COASTAL HIGH HAZARD AREA, RIVEF | <u>-</u> |
| 11 DISTANCE TO WETLANDS (5 acre minimum | n) | 12 DISTANCE TO CRITICAL HABITAT (of endangered species |) |
| ESTUARINE | OTHER | ank | _ (mi) |
| A(mi) | B(mi) | ENDANGERED SPECIES: | |
| 13 LAND USE IN VICINITY | | | |
| DISTANCE TO: | | | |
| COMMERCIAL/INDUSTRIA | RESIDENTIAL AREAS; NATION FORESTS, OR WILDLIF | | JRAL LANDS AG LAND |
| A (mi) | B, <u>5</u> | (mi) C(mi) | D(mi) |
| 14 DESCRIPTION OF SITE IN RELATION TO | SURROUNDING TOPOGRAPHY | | |
| See maps in 1 | report appendix A+B | 3 | |
| 1 | offer a religion to | | |
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| VIII COURCES OF INTERPRETATION | | | |
| | (Cite specific references, e.g., state files, sample analysis, | reports) | |
| USGS Topographi | c Maps | | |
| National Wetlands | Inventory Maps | | |
| | 7 | | |
| | | | |
| | | | |

| POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION | | | I. IDENTIFICATION 01 STATE 02 SITE NUMBER ILD 000 66579 | |
|---|-------------------------------|-----------------------------------|---|-------------------------------------|
| II. SAMPLES TAKEN | | | | |
| SAMPLE TYPE | 01 NUMBER OF SAMPLES TAKEN | 02 SAMPLES SENT TO | 03 | ESTIMATED DATE RESULTS AVAILABLE |
| GROUNDWATER | | | | |
| SURFACE WATER | | | | |
| WASTE | | | | |
| AIR | | | | |
| RUNOFF | | | | |
| SPILL | | | | |
| SOIL | 7 | IEPA Labs in Springfield + Champo | rigN | |
| VEGETATION | | | | |
| OTHER | | | | |
| III. FIELD MEASUREMENTS TA | KEN | | | |
| 01 TYPE | 02 COMMENTS | | | |
| | | | | |
| | | | | |
| | | | | |

| IV. PHOTOGRAPH | S AND MAPS | | | | |
|------------------|-------------------------------------|--------------------|-------------|--|--|
| 01 TYPE GROUN | D # AERIAL | 02 IN CUSTODY OF _ | <u>Iepa</u> | USEPA (Name of organization or individual) | |
| 03 MAPS YES NO | 11 report append | ox Aro | | | |
| V. OTHER FIELD D | ATA COLLECTED (Provide narrative de | scription; . | | | |

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA BLPC file 16312100001

| ≎EPA | F | SITE INS | ZARDOUS WASTE SITE PECTION REPORT WNER INFORMATION | I. IDENTIFI | CATION 2 SITE NUMBER DOO 605790 |
|---|--|--------------------------------|--|-------------------|---------------------------------------|
| II. CURRENT OWNER(S) | | | PARENT COMPANY (If applicable) | - | |
| 01 NAME | | 02 D+B NUMBER | OB NAME | | 09 D+B NUMBER |
| Eagle Marine Industries: | INC | | | | |
| OI NAME Eagle Marine Industries, 03 STREET ADDRESS (P.O. BOX, AFD P. AIC.) 200 N. Broadway, Suite 05 CITY | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD €, etc.) | | 11 SIC CODE |
| 200 N. Broadway, Suite | 725 | | | | |
| 05 CITY () | 06 STATE | 07 ZIP CODE | 12 CITY | 13 STATE | 14 ZIP CODE |
| St. Louis | MO | 63102 | | | |
| 01 NAME El Saes | ser, | 02 D+B NUMBER | 08 NAME | | 09 D+B NUMBER |
| OS CITY St. Lauis OI NAME Cahokia Trust % Don C. O3 STREET ADDRESS (P. O. BOX. AFD P. ORC.) | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | _ | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 11 SIC CODE |
| 1718 Warson Estates | D ^{L'} | | | | |
| 05 CITY | ľ | 07 ZIP CODE | 12 CITY | 13 STATE | 14 ZIP CODE |
| St. Louis | MO | 63124 | | | |
| 01 NAME | | 02 D+B NUMBER | 08 NAME | 1 | 09 D+B NUMBER |
| | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 11 SIC CODE |
| | loo oz eze | loz zin cons | 10000 | Looren | 1 70 0005 |
| 05 CITY | DESTATE | 07 ZIP CODE | 12 CITY | 13 STATE | 14 ZIP CODE |
| 54 NAME | <u>. </u> | 02 D+B NUMBER | OR MANS | | 000101111111 |
| 01 NAME | | UZ DYB NOMBEN | 08 NAME | | 09D+B NUMBER |
| 03 STREET ADDRESS (Р.О. Вол. RFD #, etc.) | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box. RFD #, etc.) | | 11 SIC CODE |
| US STREET ADDRESS (P.O. BOX, RPD V. VIC.) | | 04 300 0005 | 10 STALLT ADDRESS (F.O. BOX, APD F. BIC.) | | IT SIC CODE |
| 05 CITY | IOR STATE | 07 ZIP CODE | 12 CITY | T12 STATE | 14 ZIP CODE |
| | | Or Zir GODE | 12011 | I SSIAIE | 14 ZIF CODE |
| W DREWOUS OWNERS | <u> </u> | | NA BEALTY OWNERS | | |
| III. PREVIOUS OWNER(S) (List most recent first) 01 NAME | - | 02 D+B NUMBER | IV. REALTY OWNER(S) (If applicable: list in | ost recent first) | 02 D+B NUMBER |
| | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFO #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | | | | | |
| 05 CITY | OBSTATE | 07 ZIP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| | | | | | |
| 01 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #. etc.) | | 04 SIC CODE | 03 STREET ADORESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | DO OTATE | 07.700005 | 05000 | I as a seed | <u> </u> |
| 05 CITY | OBSIAIE | 07 ZIP CODE | 05 CITY | 08 STATE | 07 ZIP CODE |
| 01 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| OT NAME | | UZ DY B NOMBEN | OT WARE | | UZ UTB NUMBER |
| 03 STREET ADDRESS (P.O. Box. RFD €, etc.) | | 04 SIC CODE | Q3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| oo omeen nooneoo jiroo oo ahaa aa a | | | | | 0400000 |
| OSCITY | 06STATE | 07 ZIP CODE | 05 CITY | JOB STATE | 07 ZIP CODE |
| | | | | | |
| V. SOURCES OF INFORMATION (Cite specific | references | e.a., state files: sample snal | hysis, reports) | | |
| | | | ,, | | |
| IEPA BLPC file 1631 | 2100 |)O | | | |
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION

| П | | IFICATION |
|---|----------|----------------|
| | 01 STATE | 02 SITE NUMBER |
| | ILD | 000605790 |

| | | | PART 8 - OPER | ATOR INFORMATION | [ILV 000605 1 |
|--|----------------------------|---|----------------------------|--|------------------------------|
| II. CURRENT OPERATO | R (Provide If different fr | om owner) | | OPERATOR'S PARENT COMPA | NY (If applicable) |
| Peauley The | | | 02 D+B NUMBER | 10 NAME | 11 D+B NUMBER |
| Peavey Inc | | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #. etc. | 13 SIC CODE |
| DE CITY | 71331661 | 06 STATE | 07 ZIP CODE | 14 CITY | 15 STATE 16 ZIP CODE |
| on the Miss Souget, IL DO YEARS OP OPERATION | | IL | 62701 | | |
| 18 YEARS OF OPERATION | 09 NAME OF OWNER | ₹ | | | |
| III. PREVIOUS OPERAT | OR(S) (List most recent | first; provide ani | y if different from owner) | PREVIOUS OPERATORS' PARE | NT COMPANIES (If applicable) |
| D1 NAME | | | 02 D+B NUMBER | 10 NAME | 11 D+B NUMBER |
| 03 STREET ADDRESS (P.O. Bo | ıx, RFD ∉, etc.) | <u>,. </u> | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #, etc | 13 SIC CODE |
| D5 CITY | | 06 STATE | 07 ZIP CODE | 14 CITY | 15 STATE 16 ZIP CODE |
| D8 YEARS OF OPERATION | 09 NAME OF OWNER | | S PERIOD O2 D+8 NUMBER | 10 NAME | 11 D+B NUMBER |
| D3 STREET ADDRESS (P.O. Bo) | x, RFD #, etc.) | <u>.</u> | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #. etc | , 13 SIC CODE |
| 05 CITY | | 06 STATE | 07 ZIP CODE | 14 CITY | 15 STATE 18 ZIP CODE |
| DB YEARS OF OPERATION | 09 NAME OF OWNER | R DURING THI | S PERIOD | | |
| D1 NAME | | | 02 D+B NUMBER | 10 NAME | 11 D+B NUMBER |
| 03 STREET ADDRESS (P.O. Bo) | x, RFD #, etc.) | | 04 SIC CODE | 12 STREET ADORESS (P.O. Box, RFD #. etc | 13 SIC CODE |
| D5 CITY | | 06 STATE | 07 ZIP CODE | 14 CITY | 15 STATE 16 ZIP CODE |
| 08 YEARS OF OPERATION | 09 NAME OF OWNER | R DURING THIS | S PERIOD | | |
| AS TEARS OF OPERATION | l . | | | | |
| OF TEARS OF OPERATION | | | | | |

See. report page 2-9 and 2-10 for other owners and openators

| | P | OTENTIAL HAZ | ARDOUS WASTE SITE | I. IDENTIFI | |
|---|------------------------|---------------------------------|---|-------------|--------------------------|
| \$EPA | SITE INSPECTION REPORT | | | 01 STATE 02 | SITE NUMBER 00 605790 |
| 77 7 1 | PART 9 | - GENERATOR/1 | RANSPORTER INFORMATION | 11 | |
| II. ON-SITE GENERATOR | | | | | |
| 01 NAME | | 02 D+B NUMBER | | | |
| | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD#, etc.) | | 04 SIC CODE | | | |
| | | | | | |
| 05 CITY | 06 STATE | 07 ZIP CODE | | | |
| 31,3333 | | | | | |
| III. OFF-SITE GENERATOR(S) | | | | | |
| 01 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| | | 10400000 | 0.000 | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | IOO STATE | 07 70 0005 | 0.00 | 100.07.175 | |
| 05 CITY | OGSIAIE | 07 ZIP CODE | 05 CITY | OBSIAIE | 07 ZIP CODE |
| 01 NAME | 1 | 02 D+B NUMBER | O1 NAME | | 02 D+B NUMBER |
| 5. Tallon | | | | | oz o i bitombeit |
| D3 STREET ADDRESS (P.O. Box. RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | · | 04 SIC CODE |
| | | | 00 011127 10011200 77:0:000, 177 00:00 | | 04000000 |
| 05 CiTY | O6 STATE | 07 ZIP CODE | 05 CITY | 106 STATE | 07 ZIP CODE |
| , | | | | | |
| IV. TRANSPORTER(S) | L | | | | <u> </u> |
| 01 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | | | | | |
| 05 CITY | 06 STATE | 07 ZIP CODE | 06 CITY | 06 STATE | 07 ZIP CODE |
| | | | | | |
| 01 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | | | | | |
| 05 CITY | 06 STATE | 07 ZIP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| | | | | | · |
| V. SOURCES OF INFORMATION (Cite | specific references, (| .g., state files, sample analys | is, reports) | | |
| IEPA BLAC file 16 | 312100 | 61 | | | |
| Terk bare the | ,,,,,,, | -, | | | |
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

LD 000605790

| | PART 10 - PAST RESPONSE ACTIVITIES | 1=2 1000003 : 10 |
|--|------------------------------------|---|
| II. PAST RESPONSE ACTIVITIES | | |
| 01 A. WATER SUPPLY CLOSED | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |
| 01 B. TEMPORARY WATER SUPPLY PROVIDE | ED 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | U UZ UNIC | US AGENTO! |
| - · · | | |
| TO A SECRET WATER CHIRDLY PROVIDE | D 02 DATE | 03 AGENCY |
| 01 C. PERMANENT WATER SUPPLY PROVIDE 04 DESCRIPTION | D UZUAIE | 03 AGENCY |
| VT 00001m | | |
| | | *************************************** |
| 01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| U4 DESCRIPTION | | |
| | | |
| 01 E. CONTAMINATED SOIL REMOVED | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |
| 01 F. WASTE REPACKAGED | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |
| 01 G. WASTE DISPOSED ELSEWHERE | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | V4 07110 | OF HOLITOT |
| | | |
| | O2 DATE | 20.4001401 |
| 01 H. ON SITE BURIAL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| U4 DESCRIPTION | | |
| | | |
| 01 I. IN SITU CHEMICAL TREATMENT | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |
| 01 J. IN SITU BIOLOGICAL TREATMENT | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |
| 01 🗆 K. IN SITU PHYSICAL TREATMENT | 02 DATE | |
| 04 DESCRIPTION | | |
| | | |
| 01 □ L ENCAPSULATION | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | JE ONIG | US AGENCI |
| | | |
| THE PURPOSHOV WASTE TO ATMENT | CODATE | 03 AGENCY |
| 01 M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 04 0E00; iii 1.5 | | |
| | | |
| 01 IN CUTOFF WALLS | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |
| 01 O. EMERGENCY DIKING/SURFACE WATER | DIVERSION 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |
| 01 D. CUTOFF TRENCHES/SUMP | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | O ROLLIO |
| | | |
| | | |
| 01 [] Q. SUBSURFACE CUTOFF WALL | 02 DATE | 03 AGENCY |
| 04 DESCRIPTION | | |
| | | |

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|----|----|----------|
| 7/ | | <i>J</i> |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

| | | TIFICATION |
|---|-------|--------------------------|
| 0 | STATE | 02 SITE NUMBER |
| П | LD | 02 SITE NUMBER 000605790 |

| RESPONSE ACTIVITIES (Continued) | | |
|---|---------|-----------|
| 1 P. BARRIER WALLS CONSTRUCTED 4 DESCRIPTION | 02 DATE | O3 AGENCY |
| 01 S. CAPPING/COVERING 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 1 D T. BULK TANKAGE REPAIRED 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 U. GROUT CURTAIN CONSTRUCTED 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 □ V. BOTTOM SEALED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 [] W. GAS CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| D1 (X. FIRE CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| D1 Y. LEACHATE TREATMENT D4 DESCRIPTION | 02 DATE | 03 AGENCY |
| D1 Z. AREA EVACUATED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 2. POPULATION RELOCATED 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| | | |
| | | |
| | | |
| DURCES OF INFORMATION (Cite specific references, e.g., st | | |

IEPA BLPC file 1631210001



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER 100 605790

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION = YES - NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA BLPC file 163121 0001

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION

| I. IDENT | IFICATION |
|----------|------------|
| 01 STATE | 900 OK 98Z |

| PART 1 - SITE LOCATION AND INSPECTION INFORMATION | | | | | |
|--|------------------------|-------------------|---------------------------|------------------------------------|---|
| II. SITE NAME AND LOCATION | | | | | |
| O1 SITE NAME (Legal, common, or descriptive name of site) | | 1 | | ECIFIC LOCATION IDENTIFIER | |
| Sauget/Toxic (AKA | <u>Site R)</u> | | Jers Edge | 06 COUNTY | |
| Sauget 08 COORDINATES | | IL. | 1 | St.Clair | 07COUNTY 08 CONG CODE DIST 163 23 |
| 09 COORDINATES | 10 TYPE OF OWNERS | | | C STATE C D COUNT | |
| 38355.0 090 LL 05.0 F. OTHER C. STATE C. D. COUNTY C. MUNICIPAL C. UNKNOWN | | | | | |
| III. INSPECTION INFORMATION OF DATE OF INSPECTION O2 SITE STATUS | 03 YEARS OF OPERA | ATION | | | |
| 06,25,91 □ ACTIVE ■ INACTIVE | BEG | 1957 31NNING Y | 1 1978 EAR ENDING YEAR | UNKNOW | N |
| 04 AGENCY PERFORMING INSPECTION (Check all that apply) | | | | | |
| □ A. EPA □ B. EPA CONTRACTOR Ecology (| ENVICALMEN | _ □ C.I | MUNICIPAL D.M OTHER | UNICIPAL CONTRACTOR _ | (Name of firm) |
| 05 CHIEF INSPECTOR | OB TITLE | | | 07 ORGANIZATION | 08 TELEPHONE NO. |
| Timothy J. Murphy | EPS | | | IEPA | (217) 782-6760 |
| 09 OTHER INSPECTORS | 10 TITLE | | | 11 ORGANIZATION | 12 TELEPHONE NO. |
| Paul takacs | EPE | | | lepa | (217)782-6760 |
| Greg Spencer | EP5 | | | N | () li |
| Bruce Ford | EPE | | | li . | () [[|
| Kim Nika | EPS | | | u | () ((|
| | | | | | () |
| Bob Hiller | ENVITONMON ENGINEER | Hal | MONSANTO | Ave, Sauget GEZOG-1198 | 16 TELEPHONE NO |
| | | | | | () |
| | | | | | () |
| | | | | | () |
| | | | | , | () |
| | | | | | () |
| | | | | | |
| 17 ACCESS GAINED BY (Check one) 18 TIME OF INSPECTION | 19 WEATHER CON | | | - n | |
| PERMISSION 9:30 cm | SUNNY | hot | | | |
| IV. INFORMATION AVAILABLE FROM 01 CONTACT | 02 OF (Agency/Orga | nization) | | | 03 TELEPHONE NO. |
| Bob Hiller | Mons | | | | (68)482-636Z |
| Timothy J. Murphy | 1EPA | DL | -PC/RPMS | 07 TELEPHONE NO. (247) 782-6760 | 9 /3 9/ MONTH DAY YEAR |

| 2 | F | PΔ |
|---|----------|----|
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

| | * | | PART 2 - WAST | E INFORMATION | | ILD 1980 | <u>606982 </u> |
|---|--------------------------------|---|--|---------------------------------------|--|------------------|---|
| II. WASTE S | TATES, QUANTITIES, AN | ID CHARACTER | RISTICS | | | | |
| 01 PHYSICAL STATES (Check all that apply) ■ A. SOLID □ E. SLURRY □ B. POWDER, FINES ■ F. LIQUID ■ C. SLUDGE □ G. GAS 02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent) TONS CUBIC YARDS 53,870 | | TITY AT SITE of waste quantities a independent) | O3 WASTE CHARACTERISTICS (Check all that apply) ■ A. TOXIC ■ E. SOLUBLE □ I. HIGHLY VOLATILE □ B. CORROSIVE □ F. INFECTIOUS □ J. EXPLOSIVE □ C. RADIOACTIVE □ G. FLAMMABLE □ K. REACTIVE ■ D. PERSISTENT □ H. IGNITABLE □ L. INCOMPATIBLE | | | | |
| D. OTHER | (Specify) | NO. OF DRUMS | - | | | ☐ M. NOT AF | PLICABLE |
| III. WASTE T | YPE | <u> </u> | | <u> </u> | · · · · · | | |
| CATEGORY | SUBSTANCE N | IAME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS | | |
| SLU | SLUDGE | | | | | | |
| OLW | OILY WASTE | | | | Monganto | submitted | alist |
| SOL | SOLVENTS | | See report | | | types and q | |
| PSD | PESTICIDES | | Dage 2-12 | | andfilled | at Site R | in |
| осс | OTHER ORGANIC CH | HEMICALS | 100 | | 1968 and | 1971 | |
| IOC | INORGANIC CHEMIC | ALS | | | | | |
| ACD | ACIDS | | | | | | |
| BAS | BASES | | | | | | |
| MES | HEAVY METALS | | | | | | |
| IV. HAZARD | OUS SUBSTANCES (See A) | ppendix for most frequen | ntly cited CAS Numbers) | | | | - |
| 01 CATEGORY | 02 SUBSTANCE N | AME | 03 CAS NUMBER | 04 STORAGE/DISF | POSAL METHOD | 05 CONCENTRATION | 06 MEASURE OF CONCENTRATION |
| | See report pages | | | | | | |
| | | 2-16 | + | <u> </u> | | | <u> </u> |
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| | | | 1 | | | 1 | |
| v EEEDSTO | CKS (See Appendix for CAS Numb | | | <u>L</u> | | <u>l</u> | <u> </u> |
| CATEGORY | | | 02 CAS NUMBER | CATEGORY | 01 FEEDST | OCK NAME | 02 CAS NUMBER |
| FDS | | N Hr strice | 02 070 110 | FDS | | OONTOWNE | OL ONG HOMEL. |
| FDS | | | 1 | FDS | | | |
| FDS | | | | FDS | | | |
| FDS | | | 1 | FDS | ······································ | | |
| | S OF INFORMATION (CRO | specific references, e.g. | . State files, sample analysis / | <u> </u> | | | |
| | LPC file 163121 | | | | | · | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

1LD 980606982

| PART 3 - DESCRIPTION OF HA | AZARDOUS CONDITIONS AND INCIDENTS | s |
|---|---|-----------------------|
| II. HAZARDOUS CONDITIONS AND INCIDENTS | | |
| 01 A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 750 | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | □ POTENTIAL □ ALLEGED |
| Groundwater contomination is | documented in the unconso | lidated donneite ac |
| well as bedrock beneath the Sit | e. | mad the deposition as |
| 01 B B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 444. | 02 DOBSERVED (DATE: 11/81) 04 NARRATIVE DESCRIPTION | □ POTENTIAL □ ALLEGED |
| Seepage and leachote have been observelease to the Mississippi River. | | 1, showing observed |
| 01 & C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: 175,000 1,1,1-TCA, toluene, xylenes, phenol of | 02 © OBSERVED (DATE: 7/22/87) 04 NARRATIVE DESCRIPTION and PCB's were detected in | eir samples at Site R |
| • | | |
| 01 B D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | ■ POTENTIAL □ ALLEGED |
| Incompatible and/or reactive wastes | | the landfall |
| 01 E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: | 02 DBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | □ POTENTIAL □ ALLEGED |
| Non documented or observed | | |
| - the site is fenced and Monsanto | does Survaillance checks | |
| 01 F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (Acres) | 02 OBSERVED (DATE:IL /8 [) - 04 NARRATIVE DESCRIPTION | □ POTENTIAL □ ALLEGED |
| | LB's, chloroanil ine, chloron | uitro benzena |
| , 1 | | |
| 01 To G. DRINKING WATER CONTAMINATION 25 | 02 OBSERVED (DATE: 6/27/9/) 04 NARRATIVE DESCRIPTION | □ POTENTIAL □ ALLEGED |
| A NON-community well serving shows trace levels of organic co. | more than 25 is 1600' whomis westion. | NE of Site R and |
| 01 ☐ H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: | 02 GBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | □ POTENTIAL □ ALLEGED |
| None observed | | |
| 01 I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL ALLEGED |
| see B,+G above | · | |
| | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
ILD 98060698Z

| IL HAZARDOUS CONDITIONS AND INCIDENTS (Continued) | | - | |
|--|---|-------------------|--|
| 01 □ J. DAMAGE TO FLORA | 02 OBSERVED (DATE:) | □ POTENTIAL | ALLEGED |
| 04 NARRATIVE DESCRIPTION | · ————, | - | |
| Novedocumented or observed | | | |
| | | _ | |
| 01 • K. DAMAGE TO FAUNA | 02 OBSERVED (DATE: 1982,1990) | | ☐ ALLEGED |
| 04 NARRATIVE DESCRIPTION (include name) s) of species) Fish from the Mississippi River | were found to collein ! | Nitrochbrobe | N ZENES |
| in a 1982 USFDA chill at Same | get. IN 1990, IDOC and USE | PA Sample f | ish at |
| in a 1982 USFDA study at Source Sauget and found dioxen in the fi | ish see report page 2- | 17 and 2-18 | <u>, </u> |
| 01 L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION | 02 OBSERVED (DATE: 1982, 1990) | ☐ POTENTIAL | ☐ ALLEGED |
| See K above | | | |
| | | | |
| Of A M (MOTAR) FOOM THE PROPERTY OF THE PROPER | OO M OBSERVED VALUE | | ~ |
| 01 M. UNSTABLE CONTAINMENT OF WASTES (Spills ATION POTENTIALLY AFFECTED) | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | ☐ POTENTIAL | ☐ ALLEGED |
| leachate flows into the river from | | | |
| THE HUCK THE | - TI- WYIINEQ LANGETI | | |
| 01 N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION | 02 ■ OBSERVED (DATE: 1988) | ☐ POTENTIAL | □ ALLEGED |
| • | most amales allowed | by TEPA | |
| River is contaminated via Sedi | MENT Sample > COLLECTED | -y <u>-</u> -, 11 | |
| | | | |
| 01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION | 3 02 🗆 OBSERVED (DATE:) | ☐ POTENTIAL | ALLEGED |
| | | | |
| mone documented or observed | | | |
| | OO C OBOSTOLIS IS A TO | C 2022 | |
| 01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION | 02 G OBSERVED (DATE:) | ☐ POTENTIAL | □ ALLEGED |
| Move observed | | | |
| HOUSE GOOD VED | | | |
| 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLE | GED HAZARDS | | |
| The state of the s | - - | | |
| | | | |
| | | | |
| III. TOTAL POPULATION POTENTIALLY AFFECTED: | 5,000 | | |
| IV. COMMENTS | | | |
| | | | |
| | | | |
| | | | |
| V. SOURCES OF INFORMATION (Cite specific references, e.g., state files. | . sample analysis, reports) | | |
| IEPA BLPC file 163/210003 | | | - |
| | | | |
| | | | |

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|--------------|----|
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POTENTIAL HAZARDOUS WASTE SITE

| I. IDEN I | IFICATION |
|-----------|---------------------------|
| O1 STATE | 02 SITE NUMBER 980606 982 |

| ₩EPA | SITE INSPECTION PART 4 - PERMIT AND DESCRIPTIVE INFORMATION O1 STATE 02 SITE NUMBER 1 L D 980606 9 | | | | | 01 STATE 02 SITE NUMBER 980606 982 |
|---|---|---------------------|-----------------|--------------------------------|-------------|------------------------------------|
| II. PERMIT INFORMATION | A | | | | | |
| 01 TYPE OF PERMIT ISSUED (Check all that apply) | 02 PERMIT NUMBER | 03 DATE IS | SSUED | 04 EXPIRATION DATE | 05 COMMENTS | |
| A. NPDES | | | | | | |
| ☐ B. UIC | | | | | | |
| □ C. AIR | | T | | | | |
| D. RCRA | | | | | | |
| ☐ E. RCRA INTERIM STATUS | | | | | | |
| ☐ F. SPCC PLAN | | | | | | |
| G. STATE (Specify) | | | | | | |
| ☐ H. LOCAL _{/Specify)} | | | | | | |
| ☐ I. OTHER (Specify) | | | | | | |
| ■ J. NONE | | | | | | |
| III. SITE DESCRIPTION | | | , | | | |
| 01 STORAGE/DISPOSAL (Check all that apply) | 02 AMOUNT 03 UNIT C | OF MEASURE | 04 TR | EATMENT (Check all that a | pply) | 05 OTHER |
| ☐ A. SURFACE IMPOUNDMENT | | | □ A . | NCENERATION | | ☐ A. BUILDINGS ON SITE |
| ☐ B. PILES _ ☐ C. DRUMS, ABOVE GROUND _ | | | | UNDERGROUND INJ | | A. BOILDHAG ON G. L |
| ☐ D. TANK, ABOVE GROUND | * | | i _ | CHEMICAL/PHYSICA BIOLOGICAL | L | |
| ☐ E. TANK, BELOW GROUND | | | _ | WASTE OIL PROCES | SING | 06 AREA OF SITE |
| F. LANDFILL | <u>1978,000</u> <u> </u> | E-* | □ F . \$ | SOLVENT RECOVER | Y | 36 |
| G. LANDFARM | <u> </u> | | | OTHER RECYCLING/ | RECOVERY | (Acres) |
| ☐ H. OPEN DUMP _ | | | □ H. | OTHER | icify) | |
| (Specify) | | | | | | |
| IV. CONTAINMENT 01 CONTAINMENT OF WASTES (Chock one) | B. MODERATE BARRIERS, ETC. land load & R | □ C. IN | IADEQU | ATE, POOR | ■ D. INSECU | JRE, UNSOUND, DANGEROUS |
| V. ACCESSIBILITY | '0 E NO | - | | | | |
| 01 WASTE EASILY ACCESSIBLE: YE 02 COMMENTS | | | ı | | / | |
| if rive | ris low lead | chate/ | drun | 18 are ex | poseor | |
| VI. SOURCES OF INFORMATION (Cito s | pecific references, e.g. state files, sam | nple analysis, repo | nts) | | | |
| IEPA BLR file 1631 | 2100003 | | | | | |
| - | | | | | | |
| | | | | | | |

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

| YCFA | PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA | | | | | | | |
|---|--|-------------------------------|------------------------------|----------|---------------------------------------|---------|----------------------|--------|
| II. DRINKING WATER SUPPLY | | | | | | | | |
| 01 TYPE OF DRINKING SUPPLY (Check as applicable) | | 02 STATUS | | | | 03 | DISTANCE TO SITE | |
| SURFACE | WELL | ENDANGERE | D AFFECTE | D N | MONITORED | | Upstream | |
| COMMUNITY A. | 8. 🗆 | A . 🗅 | ₿. 🗆 | | C. 🗰 | | intake (mi) | |
| NON-COMMUNITY C. | D. 🖷 | 0. 🗆 | E. 🖷 | | F. 🗆 | В. | (mi) | |
| III. GROUNDWATER | | | | | | | | |
| 01 GROUNDWATER USE IN VICINITY (Check | one) | | | | | | | |
| ☐ A. ONLY SOURCE FOR DRINKING | B. DRINKING (Other sources evalue) COMMERCIAL, INI (No other water source | DUSTRIAL, IRRIGATIO | (Limited | MERCIAL, | INDUSTRIAL, IRRIGAT ces available) | TON (| □ D. NOT USED, UNUSE | ABLE |
| 02 POPULATION SERVED BY GROUND WAT | | - | 03 DISTANCE TO | NEARES | IT DRINKING WATER V | VELL | (mi) | |
| 04 DEPTH TO GROUNDWATER | 05 DIRECTION OF GRO | UNDWATER FLOW | 06 DEPTH TO AQ OF CONCERN | | 07 POTENTIAL YIEL OF AQUIFER | O. | 08 SOLE SOURCE AG | UIFER |
| 10-15 | M | | 10-15 | (ft) | UN K | (and) | W YES | NO |
| OD DECORIGINAL OF WELLS (Incl. de. | depth and incetion relative to a | Consisting and hydrings! | | | | _(gpd) | | |
| The Mod-community | well is PT | 's showchul | well se | ruind | nore than | N 25 | people fo | m |
| The Nowl-community the Aquiter of Coulce | TN (AOC). AL | 1 of the w | elle in | this" | area are | tax | sped into | |
| the dollow allowial a | uiter Most | of up. | ale that | have | wells als | o ar | e hooked in | 16-1 |
| | 1,100 | of the peo | 11 DISCHARGE A | | the co | mm | unity Sup | My |
| IO RECHARGE AREA POR SERVICE | s Alluvial | Platin | 1 1 | MMENT | 's | | , , , | , |
| □ NO | S Minter | LIELN | □ NO | | sissippi | R | Jor | |
| W 011751 05 WATER | | ····· | | | 3. <u>-1. FF.</u> | | | |
| IV. SURFACE WATER | | | | | - | | | |
| 01 SURFACE WATER USE (Check one) | | | | | | | | |
| A. RESERVOIR, RECREATION DRINKING WATER SOURCE | | N, ECONOMICALLY TRESOURCES | □ C. COM | IMERCIA | IL, INDUSTRIAL | | D. NOT CURRENTLY | USED |
| 02 AFFECTED/POTENTIALLY AFFECTED BO | DIES OF WATER | | | | | | | |
| | DUES OF WATER | | | | ACCCOTED | | DIOTALIGE TO OFF | |
| NAME: | | | | | AFFECTED | | DISTANCE TO SITE | |
| Mississippi River | | | | | | | <u> </u> | _ (mi) |
| | | | | | | | | _ (mi) |
| | | | | | | | | (mi) |
| V. DEMOGRAPHIC AND PROPERT | YINFORMATION | | | | | | | |
| 01 TOTAL POPULATION WITHIN | | | | 02 | DISTANCE TO NEARE | ST POPU | ILATION | |
| ONE (1) MILE OF SITE TWO (2) MILES OF SITE THREE (3) MILES OF SITE | | | | : | _ | | | |
| A. 2500 B. 30000 C. 7500 NO. OF PERSONS NO. OF PERSONS NO. OF PERSONS | | | | | , <u>S(mi)</u> | | | |
| 03 NUMBER OF BUILDINGS WITHIN TWO (2) | | | | NEADES | T OFF-SITE BUILDING | | | |
| | | | 04 DISTANCE TO | NEANCO | OFF-SITE BUILDING | | | |
| 30,0 | <u> </u> | | | | | (r | ni) | |
| 05 POPULATION WITHIN VICINITY OF SITE (| | | | | | | , , | |
| There are large m | etropolitian | aroos in | St. Loui | s, M | o as well a | as le | ess democly | |
| populated villages | 3 | | | | | | , | |
| | | | | | | | | |
| | | | | | | | | |
| Seeman 5 | .6 | | | | | | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 980606 98Z

| VI. ENVIRONMENTAL INFORMA | ATION | | | | | | | | |
|---|--|--|---|--|--|--|--|--|--|
| 01 PERMEABILITY OF UNSATURATED Z | ONE (Check one) | | | | | | | | |
| □ A. 10 ⁻⁶ – 10 ⁻ | 8 cm/sec ☐ B. 10 ⁻⁴ - 10 ⁻⁶ cm/sec ☐ | C. 10 ⁻⁴ - 10 ⁻³ cm/sec | REATER THAN 10 ⁻³ cm/sec | | | | | | |
| 02 PERMEABILITY OF BEDROCK (Check | one) | | | | | | | | |
| ☐ A. IMPERN | MEABLE B. RELATIVELY IMPERMEAB (10 ⁻⁶ cm/sec) (10 ⁻⁴ - 10 ⁻⁶ cm/sec) | LE C. RELATIVELY PERMEABLE (10 ⁻² - 10 ⁻⁴ cm/sec) | E □ D. VERY PERMEABLE (Greater than 10 ⁻² cm/sec) | | | | | | |
| 03 DEPTH TO BEDROCK | 04 DEPTH OF CONTAMINATED SOIL ZONE 05 SOIL pH | | | | | | | | |
| >100 (ft) | | war (4) | | | | | | | |
| 06 NET PRECIPITATION | | | | | | | | | |
| 35 _(in) | (in) | SITE SLOPE DIRECTION O | 4. | | | | | | |
| 09 FLOOD POTENTIAL | 10 | | | | | | | | |
| SITE IS IN 160 YEAR FLO | DODPLAIN | ER ISLAND, COASTAL HIGH HAZAR | | | | | | | |
| 11 DISTANCE TO WETLANDS (5 acre minim | oum) | 12 DISTANCE TO CRITICAL HABITAT (or | endangared species) | | | | | | |
| ESTUARINE | OTHER | _ | <u> </u> | | | | | | |
| A(mi) | BO(mi) | ENDANGERED SPECIES: | | | | | | | |
| 13 LAND USE IN VICINITY | | | | | | | | | |
| DISTANCE TO: | | | | | | | | | |
| COMMERCIAL/INDUSTR | RESIDENTIAL AREAS; NATIO HAL FORESTS, OR WILDLIF | | AGRICULTURAL LANDS EAG LAND AG LAND | | | | | | |
| , | . 6 | (mil) | 7 | | | | | | |
| A (mi) | _{в.} .5 | (mi) C | (mi) D (mi) | | | | | | |
| 14 DESCRIPTION OF SITE IN RELATION | TO SURROUNDING TOPOGRAPHY | | | | | | | | |
| Sea maps in | s report appealdix A+B | • | | | | | | | |
| · · | • | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| VII. SOURCES OF INFORMATIO | N (Cite specific references, e.g., state likes, sample analysis, | reports) | | | | | | | |
| UCC-C Tomas h | ic Mage | | | | | | | | |
| USGS Topographic Maps National Wetland Inventory Maps | | | | | | | | | |
| National Wetland Inventory Maps | | | | | | | | | |
| | | | | | | | | | |
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

| | TIFICATION |
|----------|-----------------------------|
| OI STATE | 02 SITE NUMBER 980606982 |

| ALL | 7 | F | PART 6 - SAMPLE AND FIELD INFORMATION | 140 980606982 |
|-----------------|--------------|-------------------------------|--|--|
| II. SAMPLES TA | KEN | | | |
| SAMPLE TYPE | | 01 NUMBER OF SAMPLES TAKEN | 02 SAMPLES SENT TO | 03 ESTIMATED DATE RESULTS AVAILABLE |
| GROUNDWATE | R | | | |
| SURFACE WAT | ER | | previous samples collected | |
| WASTE | | | | |
| AIR | | | | |
| RUNOFF | | | | |
| SPILL | | | | |
| SOIL | | | | |
| VEGETATION | | | | |
| OTHER | | | | |
| III. FIELD MEAS | UREMENTS TA | KEN | | |
| DI TYPE | | 02 COMMENTS | | |
| | | | | |
| | | | | |
| | | | | |
| | | <u> </u> | | |
| IV. PHOTOGRAP | HS AND MAP | S | | |
| 01 TYPE GRO | UND 4 AERIAL | | 02 IN CUSTODY OF IEPA, USEPA (Name of organization or individue) | al) |
| 3 MAPS YES | 04 LOCATION | of maps eport append | lix A+8 | |
| V. OTHER FIELD | DATA COLLE | CTED (Provide narrative di | escription) | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA BLPC file 1631710003

| ≎EPA | | POT | SITE INSPEC | ARDOUS WASTE SITE CTION REPORT ER INFORMATION | 01.5 | STATE 02 | SITE | TION ENUMBER 3606 982 |
|---|-------------------|--------------|-------------------------------|---|---------------|----------|-------------------|-----------------------------|
| II. CURRENT OWNER(S) | | | PARI / - OWINI | PARENT COMPANY (# applicable) | | | _ | |
| O1 NAME | , , | 02 C | O+8 NUMBER | OB NAME | - | | 09 D | +B NUMBER |
| MONSONAHO W. G. STUMM 03 STREET ADDRESS (P.O. BOX. RFD V. OC.) | rich | L | To4 SIC CODE | 10 07DCCT 400DECC (0.0 Rev 050 4 and | | | | ***** |
| 500 Mousanto Ave, | | , | 04 SIG CODE | 10 STREET ADDRESS (P.O. Box, RFD #, etc.) | | | | 11 SIC CODE |
| OS CITY | 06 STATE | | | 12 CITY | 1 | 3 STATE | 14 Z | IP CODE |
| Sauget, | 114 | 4— | 2206-1198 | | | | | |
| 01 NAME V | | 02 0 | D+B NUMBER | 08 NAME | | [| 09 D | +8 NUMBER |
| O3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 1 | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD #, etc.) | | | | 11 SIC CODE |
| | IOS STATI | ्। स्टब्स | | | | | $oldsymbol{\bot}$ | |
| 05 CITY | 06 STATE | 107 4 | IP CODE | 12 CITY | | 3 STATE | 14 2 | IP CODE |
| 01 NAME | | 021 | D+B NUMBER | 08 NAME | | | 09 D | +B NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | <u> </u> | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box. RFD #, etc.) | | 1 | | 11SIC CODE |
| 05 CITY | 06 STATE | 07 2 | ZIP CODE | 12 CITY | 1 | 3 STATE | 14 Z | IP CODE |
| 01 NAME | | 02 [| D+B NUMBER | OB NAME | | | 09 D | +8 NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | L, | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD #. etc.) | | l | | 11 SIC CODE |
| 05 CITY | 08 STATE | 07 7 | ZIP CODE | 12 CITY | 1 | 3 STATE | 14 Z | IP CODE |
| III. PREVIOUS OWNER(S) (List most recent firs | <u></u> | Ь. | | IV. REALTY OWNER(S) (If applicable: list i | most recent (| lirst) | | |
| 01 NAME | | 02 0 | D+B NUMBER | 01 NAME | | | 02 D | +B NUMBER |
| 03 STREET ADDRESS (P. O. Box, RFD P. etc.) | M | <u> </u> | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | | | 04 SIC CODE |
| 05 CITY | 06STATE | 07 Z | ZIP CODE | 05 CITY | 0 | 6 STATE | 07 Z | IP CODE |
| O1 NAME | - | 02 D | O+8 NUMBER | O1 NAME | | | 02 0 | O+B NUMBER |
| 03 STREET ADDRESS (P.O. Box. RFD #, etc.) | | <u> </u> | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | | \neg | 04 SIC CODE |
| 05 CITY | 06 STATE | 07 Z | IP CODE | 05 City | To | 6 STATE | 07 Z | IP CODE |
| 01 NAME | _1 | 02 [| D+8 NUMBER | 01 NAME | | | 02 D | + B NUMBER |
| 03 STREET ADDRESS (P. O. Box, RFD #, etc.) | | <u> </u> | 04 SIC CODE | 03 STREET ADDRESS (P. O. Box. RFD #, etc.) | | | | 04 SIC CODE |
| OSCITY | 06STATE | 07 | ZIP CODE | 05 CITY | 10 | 6 STATE | | IP CODE |
| V. SOURCES OF INFORMATION (Cito spot | cific references. | . e.g., s | state files, sample analysis, | reports) | | i | | |
| IEPA BLPC file 163121 | <u></u> | | | | | | | |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

| | TECATION |
|----------|-----------------------------|
| 01 STATE | 02 SITE NUMBER 980606987 |
| LD | 1980606987 |

| | PARTO-UPERA | ATOR INFORMATION | 100000102 |
|--|--|---|------------------------------|
| II. CURRENT OPERATOR (Provide II different from o | wner) | OPERATOR'S PARENT COMPA | NY (If applicable) |
| 01 NAME | 02 D+B NUMBER | 10 NAME | 11 D+B NUMBER |
| O3 STREET ADDRESS (P.O. Box, RFD #, etc.) | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, AFD #, etc.) | 13 SIC CODE |
| 05 CITY 0 | 6 STATE 07 ZIP CODE | 14 CITY | 15 STATE 16 ZIP CODE |
| 08 YEARS OF OPERATION 09 NAME OF OWNER | | | |
| III. PREVIOUS OPERATOR(S) (List most recent lirst: | provide only if different from owner) | PREVIOUS OPERATORS' PARE | NT COMPANIES ((f applicable) |
| 01 NAME | 02 D+B NUMBER | 10 NAME | 11 D+B NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #, etc., | 13 SIC CODE |
| 05 CITY 0 | 6 STATE 07 ZIP CODE | 14 CITY | 15 STATE 16 ZIP CODE |
| 08 YEARS OF OPERATION 09 NAME OF OWNER DU | RING THIS PERIOD | | |
| 01 NAME | 02 O+B NUMBER | 10 NAME | 11 D+B NUMBER |
| 03 STREET ADDRESS (P.O. Box. RFD #, etc.) | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | 13 SIC CODE |
| 05 CITY 0 | 6 STATE 07 ZIP CODE | 14 CITY | 15 STATE 16 ZIP CODE |
| 08 YEARS OF OPERATION 09 NAME OF OWNER DU | PRING THIS PERIOD | | <u></u> |
| 01 NAME | 02 D+B NUMBER | 10 NAME | 11 D+8 NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | 13 SIC CODE |
| 05 CITY 0 | 6 STATE 07 ZIP CODE | 14 CITY | 15 STATE 18 ZIP CODE |
| 08 YEARS OF OPERATION 09 NAME OF OWNER DU | IRING THIS PERIOD | | |
| IV. SOURCES OF INFORMATION (Cite specific re | pferences, e.g., state files, sample analy | Lisas, reports) | |

IEPA BLAC files 1631210003

| \$EPA | | SITE INSP | ZARDOUS WASTE SITE PECTION REPORT TRANSPORTER INFORMATION | 01 STATE 02 ILD 9 | CATION SITE NUMBER 8060678Z |
|---|----------------------|---------------------------------|---|----------------------|-----------------------------------|
| II. ON-SITE GENERATOR | FARI | B. GEHENY I AIM | TRANSPUR EN INFORMATION | | |
| 01 NAME | | 02 D+B NUMBER | | | |
| - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | | | |
| | | | | | |
| 05 CITY | 06 STATE | 07 ZIP CODE | | | |
| | | | | · | |
| III. OFF-SITE GENERATOR(S) | | V -7 | | | |
| 01 NAME | | 02 O+B NUMBER | 01 NAME | | 02 D+8 NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFO #, etc.) | | 04 SIC COD€ | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | | j | Ì | | |
| 05 CITY | 06 STATE | 07 ZIP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| | | | | | |
| O1 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| 00 010011 ABOOF 00 (2 O Day 050 4 at) | | 04 SIC CODE | 02 070557 4000500 (0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0. | | 104 010 0005 |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | U4 SIC WUE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| 05 CITY | 108 STATE | 07 ZIP CODE | 05 CITY | TOS STATE | 07 ZIP CODE |
| | | | | | |
| IV. TRANSPORTER(S) | | <u> </u> | | | |
| O1 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| | | | | | |
| O3 STREET ADDRESS (P.O. Box, RFD #, etc.) | - | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD ♣, etc.) | | 04 SIC CODE |
| | | | | | |
| 05 CITY | 106 STATE | 07 ZIP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| O1 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| UT MARIE | | OZ OT O HOMELIT | O HAME | | 02 DTB NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE |
| | | 1 |] | | Ì |
| 05 CITY | 06 STATE | 07 ZIP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| • | İ | | } | | |
| V. SOURCES OF INFORMATION (Cite) | specific references. | e.g., state files, sample analy | yale, reports) | | |
| IEPA BLPC file 16 | 31210 | 202 | | | |
| 25 // 32 3 4//6 /2 | ,0,0,0 | | | | |
| | | | | | |
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EPA FORM 2070-13 (7-81)

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

11 D 900006927

| | PART 10 - PAST RESPONSE ACTIVITIES | (ILD) 1984606782 |
|--|------------------------------------|------------------|
| II. PAST RESPONSE ACTIVITIES | | |
| 01 A. WATER SUPPLY CLOSED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 [] B. TEMPORARY WATER SUPPLY PROVID 04 DESCRIPTION | DED 02 DATE | 03 AGENCY |
| 01 C. PERMANENT WATER SUPPLY PROVIDE 04 DESCRIPTION | ED 02 DATE | 03 AGENCY |
| 01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 DE. CONTAMINATED SOIL REMOVED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 G F. WASTE REPACKAGED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 DH. ON SITE BURIAL 04 DESCRIPTION | 02 DATE | |
| 01 I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 DK. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 - L. ENCAPSULATION 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 N. CUTOFF WALLS 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 O. EMERGENCY DIKING/SURFACE WATER 04 DESCRIPTION | R DIVERSION 02 DATE | 03 AGENCY |
| 01 P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION | 02 DATE | 03 AGENCY |

| 9 | PΔ |
|---|----------|
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

| _ :: | | TIFICATION |
|------|-------|--------------------|
| 01 | STATE | 02 SITE NUMBER 987 |
| I | LD | 921414 <i>927</i> |

| AST RESPONSE ACTIVITIES (Continued) | | |
|--|--|---------------------------------------|
| 01 D R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION | O2 DATE | 03 AGENCY |
| 01 S. CAPPING/COVERING 04 DESCRIPTION Sept 1978 Men San | to began clos | ure operations including of OS AGENCY |
| 01 T. BULK TANKAGE REPAIRED 04 DESCRIPTION | 02 DAYE | 03 AGENCY |
| 01 U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION | 02 DATE | O3 AGENCY |
| 01 □ V. BOTTOM SEALED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 DW. GAS CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 □ X. FIRE CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 ☐ Y. LEACHATE TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 Z. AREA EVACUATED 04 DESCRIPTION | O2 DATE | 03 AGENCY |
| 01 □ 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 2. POPULATION RELOCATED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| | | |
| | | · |
| | | <u> </u> |
| OURCES OF INFORMATION (Cite specific references. e.g., 1898 BLAC File 1631210003 | state files, sample analysis, reports) | |



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER ILD 980606982

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ■ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

Consent Decree Signed with JEPA for RI in 1991

III. SOURCES OF INFORMATION (Cite specific references. e.g., state files, sample analysis, reports)

IEPA BLPC file 1631210003

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

14D 000665836

| | PART 1 - SITE | LOCATION ANI | D INSPE | CTION INFORM | ATION | 100063636 |
|---|------------------------|--|------------------|---|--|-------------------------------|
| II. SITE NAME AND LOCATION | | | | | | ··········· |
| 01 SITE NAME (Legal, common, or descriptive | | | 02 STREE | | PECIFIC LOCATION IDENTIFIER | |
| Bliss Waste | 0i1 | | / | | Ave. | |
| 03 CITY | | | | 05 ZIP CODE | | 07COUNTY 08 CONG CODE DIST |
| Sauget 09 COORDINATES | | | | L | St. Clair | 163 23 |
| 38 35 55.0 09 | 0 1 0 51 .0 | 10 TYPE OF OWNERS! A. PRIVATE F. OTHER | □ B. FEI | DERAL | C. STATE D. COUN | |
| III. INSPECTION INFORMATION 01 DATE OF INSPECTION | D2 SITE STATUS | 03 YEARS OF OPERA | TION | | | |
| 06,25,91 MONTH DAY YEAR | ☐ ACTIVE ■ INACTIVE | u | NKN ow NKN ow | | UNKNOW | N |
| 04 AGENCY PERFORMING INSPECTION | (Check all that apply) | | | | | |
| ☐ A. EPA ☐ B. EPA CONTRAC | (Ne | eme of firm) | | | IUNICIPAL CONTRACTOR | (Name of firm) |
| E. STATE F. STATE CONTR | ACTOR | ame of firm) | . 🗆 G. O1 | HER | (Specify) | |
| 05 CHIEF INSPECTOR | _ | 06 TITLE | | | 07 ORGANIZATION | 08 TELEPHONE NO. |
| Tim Murphy | | EPS | | | IEPA | (217) 782-6760 |
| | | 10 TITLE | | | 11 ORGANIZATION | 12 TELEPHONE NO. |
| Bruce Ford | | EPE | | | 1(| () 4(|
| Bruce Ford Greg Spencer | | EPS | | · - · · · · · · · · · · · · · · · · · · | Ιι | () (|
| Kim Kika | | EPS | , | | 11 | () 11 |
| | | | | | | () |
| | | | | | | () |
| 13 SITE REPRESENTATIVES INTERVIEW | ED | 14 TITLE | 1 | 5ADDRESS | | 16 TELEPHONE NO |
| None | | | | | | () |
| | | | | | | () |
| | | | | | | () |
| | | | | | | () |
| | | | | | , | () |
| | _ | | | | | () |
| | | | | | | |
| 17 ACCESS GAINED BY 18 TIME (Check one) | OF INSPECTION | 19 WEATHER CON | | | | |
| ☐ WARRANI | :30 | Sunny, | hot | | | |
| IV. INFORMATION AVAILABLE | FROM | 02 OF (Agency/Organ | (zetion) | | | 03 TELEPHONE NO. |
| 6. 6. | | Class. | 166 | mical Ca | (V. Pres) | (UB) = - Out |
| La Keidy 04 PERSON RESPONSIBLE FOR SITE IN | SPECTION FORM | 05 AGENCY | TOB OPG | MICAL CO. | LOT TELEPHONE NO | (618) 2.71-0467 |
| Timothy J. M | | IEPA | DL | PC/RPM | (V. Pres.) 07 TELEPHONE NO. 5 (217) 782-6760 | 9 /3,9/ MONTH DAY YEAR |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 000665836

| \/ | | | PART 2 - WAST | E INFORMATION | ŀ | ico ac | 3665836 |
|--------------------------|--------------------------------|----------------------------|------------------------------------|---|-----------------------------|--------------------|------------------------|
| II. WASTE S | TATES, QUANTITIES, AN | D CHARACTER | ISTICS | | · · · | | |
| 01 PHYSICAL S | STATES (Check all that apply) | 02 WASTE QUANT | | 03 WASTE CHARACTI | ERISTICS (Check all that ap | opły) | |
| ☐ A. SOLID ☐ B. POWDE | | must be | f waste quentities independentj | ■ B. A. TOXIC □ E. SOLI □ B. CORROSIVE □ F. INFE □ C. RADIOACTIVE ■ G. FLAI | | TIOUS J. EXPLOSIVE | |
| | | CUBIC YARDS _ | | D. PERSIS | TENT H. IGNITA | | MPATIBLE APPLICABLE |
| D. OTHER | (Specify) | NO. OF DRUMS _ | 1360 | | | | |
| III. WASTE T | YPE | | | | | | |
| CATEGORY | SUBSTANCE N | IAME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS | | |
| SLU | SLUDGE | | 1360 | drums | | | |
| OLW | OILY WASTE | · | 72.000 | gallons | once filled | copacity of | tanKs |
| SOL | SOLVENTS | | 7 | 0 | | 1 1 | |
| PSD | PESTICIDES | | | | | | |
| осс | OTHER ORGANIC CI | HEMICALS | | | | | |
| IOC | INORGANIC CHEMIC | ALS | | | | | |
| ACD | ACIDS | | 1 | | | | |
| BAS | BASES | | | | | | |
| MES | HEAVY METALS | | | | | | |
| V. HAZARD | OUS SUBSTANCES (S A | ppendix for most frequent | (y cited CAS Numbers) | | | Maximum S | Soil |
| 1 CATEGORY | 02 SUBSTANCE N | IAME | 03 CAS NUMBER | 04 STORAGE/DISI | POSAL METHOD | 05 CONCENTRATION | |
| OLW | PCB15 | | |)Allowed to | infiltrate | 3600 | ug/g(ppm) |
| SLU | C3-substituded | benzenes | | the soil t | from a | 6700 | 3/3 |
| SLU | C4-substituded | benzenes | | leaking un | derground | 8900 | A. |
| su | C5- Substituded | benzenes_ | | | NK (LUST) | 1100 | 4 |
| SOL | trichloroethylene | | | placed int | entionally | 710 | ц |
| SOL | Hetrochlorocthyle | ne | | by Rus | isell Bliss | 800 | <u> </u> |
| SOL | toluene | | | | | 2500 | ă, |
| SOL | Xylenes | | <u> </u> | | | 2200 | п |
| SLU/OLW | Naphthalene | | | | | 1000 | н |
| <u>н</u> | methyl Naphthale | | | | | 1300 | ц |
| 41 | dimethy) napthale | Ne | | | | 8∞ | ði. |
| s(| Hrimethyl Noptha | lene | <u> </u> | | | 500 | - 11 |
| 11 | phenon threne | <u> </u> | | | | <i>5</i> 0 | н |
| 1(| pentach loro pher | اعد | | | | 4,4 | H |
| 11 | Hetrachloro phen | lol | | Ц | | 1 | 11 |
| н | chloromethy / pho | ento (| | I/ | | 10 | n |
| | CKS (See Appendix for CAS Numb | | hlorobenzen | e) | | 210 | н |
| CATEGORY | | | 02 CAS NUMBER | CATEGORY | 01 FEEDSTO | | 02 CAS NUMBER |
| FDS | | | | FDS | | | |
| FDS | | | | FDS | | | |
| FDS | | | i | FDS | | | |
| FDS | | | | FDS | | | |
| VI. SOURCE | S OF INFORMATION (CR. | specific references. e.g., | state files, sample analysis, | reports) | | | |
| TEPA DL | PC file L 1631 | 210012 | | | | | |
| | | | | | | | |

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

311E INGPECTION REPORT ESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 000665836

| | HAZARDOUS CONDITIONS AND INCIDEN | | |
|---|--|-------------|-----------|
| II. HAZARDOUS CONDITIONS AND INCIDENTS 0.1 M. A. GROUNDWATER CONTAMINATION | 02 TARREDVEN INATE: 06/22/82 | □ POTENTIAL | ☐ ALLEGED |
| 03 POPULATION POTENTIALLY AFFECTED: 250 | 04 NARRATIVE DESCRIPTION | | |
| KNOWN groundwater contamin LUST/contaminated soil may | ration of like Compounds | in this are | م |
| LUST/conteminated soil may | have contributed | | |
| 01 D B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: | 02 ☐ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | □ POTENTIAL | □ ALLEGED |
| NONE documented or observed | | | |
| 01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | □ POTENTIAL | □ ALLEGED |
| None documented or observ | ved | | |
| 01 D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: | 02 GOBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | □ POTENTIAL | ☐ ALLEGED |
| No longer exist | | | |
| 01 = E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: NOWE documented or obser | | ☐ POTENTIAL | □ ALLEGED |
| 01 # F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (Acros) See preceeding page | 02 OBSERVED (DATE: 06/06/83) 04 NARRATIVE DESCRIPTION | ☐ POTENTIAL | □ ALLEGED |
| 01 G. DRINKING WATER CONTAMINATION | 02 □ OBSERVED (DATE:) | ■ POTENTIAL | ☐ ALLEGED |
| 03 POPULATION POTENTIALLY AFFECTED: | 04 NARRATIVE DESCRIPTION | | |
| Nearby local establishments (33ug/1, which Bliss waste Oil n residences Still use groundwa | "PT's) has a contaminate may have contributed, a s | mall % o | f local |
| 01 H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION | POTENTIAL. | □ ALLEGED |
| workers were photographed Silban the LUST and Contaminat | | YOUR while | working |
| 01 SI. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: 750 | 02 GOSSERVED (DATE:) 04 NARRATIVE DESCRIPTION | □ POTENTIAL | ☐ ALLEGED |
| See G. above | | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

O1 STATE O2 SITE NUMBER

U.D. DOOGGERS 1

| PART 3 - DESCRIPTION OF HA | AZARDOUS CONDITIONS AND INCIDENT | s heble | 0000000 |
|---|--|-------------|-----------|
| II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued) | | <u> </u> | |
| 01 J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION | 02 GBSERVED (DATE:) | ■ POTENTIAL | □ ALLEGED |
| Sparce Vegitation exist at | the Site | | |
| 01 K. DAMAGE TO FAUNA O4 NARRATIVE DESCRIPTION (Include name(s) of species) | 02 OBSERVED (DATE:) | ☐ POTENTIAL | ☐ ALLEGED |
| None documented or obse | erved | | |
| 01 □ L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION | 02 🗆 OBSERVED (DATE:) | ☐ POTENTIAL | ☐ ALLEGED |
| None documented or obs | erved | | |
| 01 M. UNSTABLE CONTAINMENT OF WASTES (Spatter Runoft/Standing Inquids, Leaking drums) 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE: 2/16/83) 04 NARRATIVE DESCRIPTION | ☐ POTENTIAL | □ ALLEGED |
| LUST intentionally place | | | |
| 01 N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION | 02 GBSERVED (DATE:) | □ POTENTIAL | ☐ ALLEGED |
| none dogumented or observe | ed. | | |
| 01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION | 02 🗆 OBSERVED (DATE:) | ☐ POTENTIAL | ☐ ALLEGED |
| none documented or observed | d | | |
| 01 P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION | 02 @ OBSERVED (DATE: 2/16/83) | ☐ POTENTIAL | □ ALLEGED |
| See M. above | | | |
| 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLE | GED HAZARDS | | |
| | | | |
| III. TOTAL POPULATION POTENTIALLY AFFECTED: | 50 | | |
| IV. COMMENTS | | | |
| | | | |
| V. SOURCES OF INFORMATION (Cite specific references, e. g., state files. | earnole analysis rangels | | |
| IEPA DLPC file L163/2100/2 | geniure emitjala, (spurce) | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

| I. IDENT | IFICATION |
|----------|----------------|
| 01 STATE | 02 SITE NUMBER |
| ILD. | 000665836 |

| · | PART 4 - PERMIT | AND DE | SCRIP | TIVE INFORMAT | ION ' | |
|--|-------------------------------------|--|---------------------------------------|------------------------------------|--|---|
| II. PERMIT INFORMATION | | | | | | |
| 01 TYPE OF PERMIT ISSUED (Check all that apply) | 02 PERMIT NUMBER | 03 DATE IS | SSUED | 04 EXPIRATION DATE | 05 COMMENTS | |
| □ A. NPDES | | | | | | |
| □ B. UIC | | | | | | - |
| C. AIR | | | | | | |
| D. RCRA | | | | | | |
| ☐ E. RCRA INTERIM STATUS | | | | | | |
| ☐ F. SPCC PLAN | | | | | | |
| ☐ G. STATE (Specify) | | | | | | |
| ☐ H. LOCAL (Specify) | | | | | | |
| ☐ I. OTHER (Specify) | | | | | | |
| J. NONE | | | | | | |
| III. SITE DESCRIPTION | | | | | | |
| 01 STORAGE/DISPOSAL (Check all that apply) | 02 AMOUNT 03 UNIT OF | F MEASURE | 04 TF | EATMENT (Check all that a | oply) | 05 OTHER |
| ☐ A. SURFACE IMPOUNDMENT | | | □ A. | INCENERATION | | |
| ☐ B. PILES | 12/ | | l | UNDERGROUND INJ | ECTION | ☐ A. BUILDINGS ON SITE |
| C. DRUMS, ABOVE GROUND | <u>/360 55</u> 4@/7000 gall | gallon | □ c . | CHEMICAL/PHYSICA | L | |
| • | 4@ 17000 gall | NON. | ł | BIOLOGICAL | _ | NONE |
| E. TANK, BELOW GROUND F. LANDFILL | TOOU Jun | <u> </u> | 1 | WASTE OIL PROCES | - | 06 AREA OF SITE |
| G. LANDFARM | | | I | SOLVENT RECOVER OTHER RECYCLING | | 23 |
| ☐ H. OPEN DUMP | | | l . | OTHER MECTOLING | MECOVER 1 | (10144) |
| ☐ I. OTHER(Specify) | | | _ | | icify) | |
| 07 COMMENTS | ages Z-6 + 2- | | <u></u> | | ···. | |
| IV. CONTAINMENT 01 CONTAINMENT OF WASTES (Check one) | | | · · · · · · · · · · · · · · · · · · · | | ······································ | |
| ☐ A. ADEQUATE, SECURE | ☐ B. MODERATE | C. IN | NADEQU | JATE, POOR | D. INSECU | IRE, UNSOUND, DANGEROUS |
| 02 DESCRIPTION OF DRUMS, DIKING, LINERS | , BARRIERS, ETC. | | | | | |
| Intentionally Pl | aced LUST | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| V. ACCESSIBILITY | | ······································ | | | | |
| 01 WASTE EASILY ACCESSIBLE: Y | ES NO | | | | | · _ · · · · · · · · · · · · · · · · · · |
| 02 COMMENTS | | | | | | |
| | | | | | | |
| VI. SOURCES OF INFORMATION (Cite | ilia-ralassana a n eleta files como | -1- sastuaja paru | | | | |
| | | we analysis, repo | ons) | | | |
| IEPA BLPC file L163 | 11210012 | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5 - WATER DEMOGRAPHIC AND ENVIRONMENTAL DA

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
ILD 000665836

| YEFA | PART 5 - WATER | | APHIC, AND ENVIRONMENTAL DATA | | | | |
|---|--|--------------------------------|--------------------------------|------------------|---------------------------------------|---------|--------------------------|
| II. DRINKING WATER SUPPLY | | | | | | | |
| 01 TYPE OF DRINKING SUPPLY (Check se applicable) | | 02 STATUS | | | | | B DISTANCE TO SITE |
| SURFACE | WELL | ENDANGERE | D AFFECTED | 1 | MONITORED | | P9tream |
| COMMUNITY A. | B. 🗆 | A . 🗆 | B. □ E. □ | | C. ■ F. □ | A | intake (mi) |
| NON-COMMUNITY C. | D. 🖶 | D. . | В | _ <u>•34(mi)</u> | | | |
| III. GROUNDWATER | | | | | | | |
| 01 GROUNDWATER USE IN VICINITY (Check | (one) | | | | | | |
| ☐ A. ONLY SOURCE FOR DRINKING | B. DRINKING (Other sources available COMMERCIAL, INI (No other water source) | DUSTRIAL, IRRIGATIO | (Limited of | RCIAL, | INDUSTRIAL, IRRIGAT ces available) | ION | □ D. NOT USED, UNUSEABLE |
| 02 POPULATION SERVED BY GROUND WATER >50 O3 DISTANCE TO NEAREST DRINKING WATER WELL , 34 (mi) | | | | | | | |
| 04 DEPTH TO GROUNDWATER | 05 DIRECTION OF GRO | UNDWATER FLOW | 06 DEPTH TO AQUI | IFER | 07 POTENTIAL YIEL | D | 08 SOLE SOURCE AQUIFER |
| 10-15 (tt) | W | | OF CONCERN | (ft) | OF AQUIFER | (d) | ■ YES □ NO |
| 09 DESCRIPTION OF WELLS (Including useage | death and location relative to a | Condition and huildings) | | | L | _ (gpd) | |
| All wells in the area | | | he Missis | Sipp | oi River al | luvi | ium (Aoc) |
| Many People have | Wells but | are also | hooked: | .11 | O Comati | A . | برامن و بد |
| PT15 Show Chub welli | 5 a NON-comm | unity well | Serving ou | er | 25 people s | scree | ened in the AOC |
| 10 RECHARGE AREA | | | 11 DISCHARGE AR | | | | |
| ■YES COMMENTS high A | plain | | | Miss | is Sissippi Ri | ver | |
| IV. SURFACE WATER | | | | | | | |
| 01 SURFACE WATER USE (Check one) | | | | | | | |
| A. RESERVOIR, RECREATION DRINKING WATER SOURCE | | N, ECONOMICALLY T RESOURCES | C. COMM | AERCIA | AL, INDUSTRIAL | | D. NOT CURRENTLY USED |
| 02 AFFECTED/POTENTIALLY AFFECTED B | ODIES OF WATER | | . =: | | | | |
| NAME: | | | | | AFFECTED | | DISTANCE TO SITE |
| Mississippi Ri | ver | | | | _ | | • 3 (mi) |
| Mississippi Ri | <u>v </u> | | | | | - | (mi) |
| | | | | | | _ | (mi) |
| V. DEMOGRAPHIC AND PROPERT | VINEORMATION | | | | | | |
| 01 TOTAL POPULATION WITHIN | 1 IIII OIIIIATTOIT | | | 102 | DISTANCE TO NEARE | ST POPI | ULATION |
| | MO (2) MILES OF SITE | THREE / | NIII EC OE CITE | " | | | |
| ONE (1) MILE OF SITE TWO (2) MILES OF SITE THREE (3) MILES OF SITE A. 2500 NO. OF PERSONS NO. OF PERSONS THREE (3) MILES OF SITE C. 75 000 NO. OF PERSONS (mi) | | | | | | | |
| 03 NUMBER OF BUILDINGS WITHIN TWO (2 |) MILES OF SITE | | 04 DISTANCE TO N | EARES | T OFF-SITE BUILDING | | |
| 30,00 | 0 | | | | | | (mi) |
| 05 POPULATION WITHIN VICINITY OF SITE | (Provide narrative description of r | nature of population within | vicinity of site, e.g., rural. | village, d | lensely populated urban are | | |
| | _ | | | | | | Mo as |
| Population consists well as less den | sely popula | ted villa | ges | | | • | |

see page 5-6 of report

\$EPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
ILD 000665836

| | | TATEN, DEMOGRATION | | | | |
|--|------------------------------------|---|---------------------------------------|---|----------------------|--|
| VI. ENVIRONMENTAL INFORMA | | | | | | |
| 01 PERMEABILITY OF UNSATURATED Z | ONE (Check one | | | • | | |
| □ A. 10 ⁻⁶ - 10 ⁻⁸ cm/sec □ B. 10 ⁻⁴ - 10 ⁻⁶ cm/sec □ C. 10 ⁻⁴ - 10 ⁻³ cm/sec ▶ D. GREATER THAN 10 ⁻³ cm/sec | | | | | | |
| 02 PERMEABILITY OF BEDROCK (Check of | one) | | | - | | |
| A. IMPERN (Less than 1 | MEABLE 10 ⁻⁶ cm/sec) | B. RELATIVELY IMPERMEABL | LE EC. | RELATIVELY PERMEABLE 10 ⁻² – 10 ⁻⁴ cm/sec) | | PERMEABLE Ihan 10 ⁻² cm/sec) |
| 03 DEPTH TO BEDROCK | 04 DEPTH O | F CONTAMINATED SOIL ZONE | | 05 SOIL pH | | |
| >100 (ft) | | MK (n) | | unk | | |
| 06 NET PRECIPITATION | 07 ONE YEA | R 24 HOUR RAINFALL | 08 SLOPE | | | |
| (in) | `\ | Z.5(in) | SITES < Z | SLOPE DIRECTION OF | SITE SLOPE | TERRAIN AVERAGE SLOPE |
| OBFLOOD POTENTIAL by a | | 10 | · · · · · · · · · · · · · · · · · · · | | | |
| SITE IS M 500 YEAR FLO | ODPLAIN | SITE IS ON BARRI | ER ISLAND |), COASTAL HIGH HAZARE | AREA, RIVER | INE FLOODWAY |
| 11 DISTANCE TO WETLANDS (5 acre minimi | | | 12 DISTAN | ICE TO CRITICAL HABITAT (of | endangered species | ı) |
| ESTUARINE | | OTHER | } | | MIK | _ (mi) |
| A(mi) B(mi) ENDANGERED SPECIES: | | | | · · · | | |
| 13 LAND USE IN VICINITY | | | | | | |
| DISTANCE TO: | | | | | | |
| | 1A1 | RESIDENTIAL AREAS; NATION FORESTS, OR WILDLIF | | | AGRICULTU AG LAND | PRAL LANDS AG LAND |
| COMMERCIAL/INDUSTRI | IAL | FORESTS, OR WILDER | ENEGENY | ES PRIME | AG DAND | AG DAND |
| A (mi) | | в. <u>•</u> 5 | (mi) | C | (mi) | D(mi) |
| 14 DESCRIPTION OF SITE IN RELATION 1 | TO CUIDDOUNI | DING TODOGRAPHY | | | | |
| | | | | | | |
| See maps in 10 | eport o | uppendix A+B | | | | |
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| | | | | | | |
| VII. SOURCES OF INFORMATION | N (Cite specific | references, e.g., state files, sample analysis, | reports) | | | |
| USCS Topponthi | c Maa | - <u></u> | | | | |
| usas Topographia National Wetland | to Take | entry Mass | | | | |
| national wetiand | 72 TLA | arity . To | | | | |
| | | | | | | |
| | | | | | | |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

| | | IFICATION |
|----|-------|---------------------------|
| 01 | STATE | 02 SITE NUMBER 000665 836 |
| 1) | LD | 000665836 |

| IL SAMPLES TAKEN SAMPLE TYPE O'S MARGES TAKEN O'S SAMPLES SENT TO O' | | _ | P | ART 6 - SAMPLE AND FIELD INFORMATION | 1 0 10000000000000000000000000000000000 |
|--|------------------|---------------|------------------------------|--------------------------------------|---|
| GROUNDWATER SURFACE WATER WASTE Previous Somples collected by AIR JEPA in 1983 RUNOFF Secreport page Z-2Z SPILL SOIL VEGETATION OTHER III. FIELD MEASUREMENTS TAKEN II TYPE 102 COMMENTS OT TYPE GROUND # AERIAL 103 MAPS OT TYPE GROUND # AERIAL 103 MAPS IN TEROFT appendix A+B V. OTHER FIELD DATA COLLECTED (Promes measure description) | II. SAMPLES TAI | KEN | | | |
| SURFACE WATER WASTE Previous Somples Collected by AR IEPA in 1983 RUNOFF See report page 2-22 SPILL SOIL VEGETATION OTHER II. FIELD MEASUREMENTS TAKEN IT TYPE OZ COMMENTS OZ COMMENTS OZ TOWNENTS OZ TOWNENTS OZ NOUSTODY OF IEPA Name of organization or notwidgel NAMES ON OTHER FIELD DATA COLLECTED (Promits carraine description) | SAMPLE TYPE | C | 1 NUMBER OF SAMPLES TAKEN | 02 SAMPLES SENT TO . | 03 ESTIMATED DATE RESULTS AVAILABI |
| WASTE Previous Somples collected by JEPA in 1983 RUNOFF Secreport page 2-22 SPILL SOIL VEGETATION OTHER III, FIELD MEASUREMENTS TAKEN IV. PHOTOGRAPHS AND MAPS OI TYPE GROUND ARIAL SO NOUSTOOY OF TEPA Name of appreciation or individual NAMES OF TEPA Name of appreciation or individual NAMES OF TEPA Name of appreciation or individual V. OTHER FIELD DATA COLLECTED (Provide nameline description) | GROUNDWATE | R | | | |
| SOIL VEGETATION OTHER III. FIELD MEASUREMENTS TAKEN 10 TYPE 102 COMMENTS IV. PHOTOGRAPHS AND MAPS 101 TYPE III GROUND III AERIAL 102 IN CUSTODY OF IEPA 184 MAPS 185 MAPS 186 NO 187 PEOCT & Appendix A+B V. OTHER FIELD DATA COLLECTED (Provide numbrine description) | SURFACE WATI | ER | | | |
| SOIL VEGETATION OTHER III. FIELD MEASUREMENTS TAKEN 10 TYPE 102 COMMENTS IV. PHOTOGRAPHS AND MAPS 101 TYPE III GROUND III AERIAL 102 IN CUSTODY OF IEPA 184 MAPS 185 MAPS 186 NO 187 PEOCT & Appendix A+B V. OTHER FIELD DATA COLLECTED (Provide numbrine description) | WASTE | | | previous somples collected | by |
| SOIL VEGETATION OTHER III. FIELD MEASUREMENTS TAKEN 11 TYPE 12 COMMENTS IV. PHOTOGRAPHS AND MAPS OI TYPE III GROUND III AERIAL 13 MAPS IN 12 POT 4 APPAILAL 14 PO 1 Norme of organization or individual) 15 MAPS IN 12 POT 4 APPAILAL V. OTHER FIELD DATA COLLECTED (Provide numbrine description) | AIR | | | IEPA in 1983 | / |
| SOIL VEGETATION OTHER III. FIELD MEASUREMENTS TAKEN 10 TYPE 102 COMMENTS IV. PHOTOGRAPHS AND MAPS 101 TYPE III GROUND III AERIAL 102 IN CUSTODY OF IEPA 184 MAPS 185 MAPS 186 NO 187 PEOCT & Appendix A+B V. OTHER FIELD DATA COLLECTED (Provide numbrine description) | RUNOFF | | | See report page 2-22 | |
| VEGETATION OTHER III. FIELD MEASUREMENTS TAKEN 11 TYPE O2 COMMENTS IV. PHOTOGRAPHS AND MAPS O1 TYPE GROUND W AERIAL O2 IN CUSTODY OF IEPA (Name of crypanziston or individual) 13 MAPS VES NO IN TEROFT OPPENDIX A+B V. OTHER FIELD DATA COLLECTED (Frounds narrative description) | SPILL | | | , , | |
| OTHER III. FIELD MEASUREMENTS TAKEN 10 TYPE 10 2 COMMENTS IV. PHOTOGRAPHS AND MAPS 10 TYPE | SOIL | | | | |
| III. FIELD MEASUREMENTS TAKEN 10 TYPE 10 2 COMMENTS 11 TYPE 10 2 COMMENTS 11 TYPE GROUND GRAPHS AND MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF Organization or individual) 10 4 LOCATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 1 TYPE GROUND GRAPHAL 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 2 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 3 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 3 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 4 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTODY OF FRAME OF ORGANIZATION OF MAPS 10 5 IN CUSTO | VEGETATION | | | | |
| IV. PHOTOGRAPHS AND MAPS OI TYPE & GROUND & AERIAL O2 IN CUSTODY OF IEPA (Name of organization or individual) O3 MAPS O4 LOCATION OF MAPS IN TEPOT & APPENDIX A+B V. OTHER FIELD DATA COLLECTED (Prowde narrative description) | OTHER | | | | |
| IV. PHOTOGRAPHS AND MAPS O1 TYPE & GROUND & AERIAL O2 IN CUSTODY OF IEPA (Name of organization or individual) O3 MAPS O4 LOCATION OF MAPS IN TEPOT + appendix A+B V. OTHER FIELD DATA COLLECTED (Provide nerralive description) | III. FIELD MEASI | JREMENTS TAK | EN | | |
| 01 TYPE & GROUND & AERIAL 02 IN CUSTODY OF IEPA (Name of organization or individual) 33 MAPS YES IN report appendix A+B V. OTHER FIELD DATA COLLECTED (Provide nerrative description) | | | | | |
| 01 TYPE & GROUND & AERIAL 02 IN CUSTODY OF IEPA (Name of organization or individual) 33 MAPS YES IN report appendix A+B V. OTHER FIELD DATA COLLECTED (Provide nerrative description) | | | | | |
| 01 TYPE & GROUND & AERIAL 02 IN CUSTODY OF IEPA (Name of organization or individual) 33 MAPS YES IN report appendix A+B V. OTHER FIELD DATA COLLECTED (Provide nerrative description) | | | | | |
| Of LOCATION OF MAPS YES NO V. OTHER FIELD DATA COLLECTED (Provide nerrative description) | IV. PHOTOGRAP | HS AND MAPS | | | |
| MAPS ■ YES □ NO IN report appendix A+B V. OTHER FIELD DATA COLLECTED (Provide nerrative description) | 01 TYPE GRO | UND D AERIAL | | 02 #1 000:001 0. | |
| YES IN report appendix A+B V. OTHER FIELD DATA COLLECTED (Provide nerretive description) | 3 MAPS | DA LOCATION O | F MAPS | (Name of organization or individual) | |
| V. OTHER FIELD DATA COLLECTED (Prowde nerretive description) | YES | | | ix A+B | |
| | | | | | |
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VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

merchald Purchald

I. IDENTIFICATION **POTENTIAL HAZARDOUS WASTE SITE** 01 STATE | 02 SITE NUMBER | 1LD | 000665836 SITE INSPECTION REPORT **PART 7 - OWNER INFORMATION** PARENT COMPANY (# applicable) II. CURRENT OWNER(S) 02 D+B NUMBER 09 D+B NUMBER OB NAME Clayton Chemical NoNe 04 SIC CODE 10 STREET ADDRESS (P.O. Box, RFD #, etc.) 11 SIC CODE 06 STATE 07 ZIP CODE 12 CITY 13 STATE 14 ZIP CODE 62201 02 D+B NUMBER 08 NAME 09 D+B NUMBER 04 SIC CODE 03 STREET ADDRESS (P.O. Box, RFD #. etc.) 10 STREET ADDRESS (P.O. Box, RFD #, etc.) 11 SIC CODE 05 CITY 06 STATE 07 ZIP CODE 12 CITY 13 STATE 14 ZIP CODE 02 D+B NUMBER 08 NAME 09 D+B NUMBER 01 NAME 04 SIC CODE 03 STREET ADDRESS (P.O. Box, RFD #, etc.) 10 STREET ADDRESS (P.O. Box, RFD #, etc.) 11SIC CODE 05 CITY 06 STATE 07 ZIP CODE 12 CITY 13 STATE 14 ZIP CODE 02 D+B NUMBER 01 NAME 09D+BNUMBER 03 STREET ADDRESS (P.O. Box. RFD #, etc.) 04 SIC CODE 10 STREET ADDRESS (P.O. Box, RFD #. etc.) 11 SIC CODE 06 STATE O7 ZIP CODE 05 CITY 12 CITY 13 STATE 14 ZIP CODE III. PREVIOUS OWNER(S) (List most recent first) IV. REALTY OWNER(S) (If applicable; list most recent first) 02 D+8 NUMBER 01 NAME 02 D+B NUMBER Gulf Mobile and Ohio RR 03 STREET ADDRESS (P.O. Box, RFD #, etc.) 04 SIC CODE 03 STREET ADDRESS (P.O. Box, RFD #, etc.) 04 SIC CODE CHKNOWN 05 CITY 06 STATE 07 ZIP CODE 05 CITY 06 STATE 07 ZIP CODE 01 NAME 02 D+8 NUMBER 01 NAME 02 D+B NUMBER

V. SOURCES OF INFORMATION (Cite specific references, e.g., state likes, sample analysis, reports)

04 SIC CODE

02 D+B NUMBER

04 SIC CODE

06 STATE 07 ZIP CODE

06 STATE 07 ZIP CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

03 STREET ADDRESS (P.O. Box, RFD #. etc.)

05 CITY

O1 NAME

05 CITY

04 SIC CODE

02 D+B NUMBER

04 SIC CODE

06 STATE 07 ZIP CODE

06 STATE 07 ZIP CODE

phase call w/ Ed Reidy (Chayton Chem V. Pres)

IEPA DLPC file 1631210012

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

05 CITY

01 NAME

05 CITY

| POTENTIAL HAZARDOUS WASTE SITE I. IDENTIFICATION | | | | | CATION |
|---|------------------------------|----------------------------|---|--------------------|-------------------------|
| | | | CTION REPORT | 01 STATE 02 S | SITE NUMBER 20665836 |
| | | ARI 8 - UPERA | ATOR INFORMATION | | |
| II. CURRENT OPERATOR (Provide # diffe | | • | OPERATOR'S PARENT COMPA | | |
| orname Same as curren | , I | D+8 NUMBER | 10 NAME | ſ | 1 D+B NUMBER |
| Same as curren 03 STREET ADDRESS (P.O. BOX, AFD #, OC.) | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 13 SIC CODE |
| owner | | | | |] |
| 05 CITY | 06 STATE 07 | ZIP CODE | 14 CITY | 15 STATE 1 | 6 ZIP CODE |
| 08 YEARS OF OPERATION 09 NAME OF OV | VNER | | | <u></u> | |
| III. PREVIOUS OPERATOR(S) (List most of | ecent first; provide only if | different from owner) | PREVIOUS OPERATORS' PAREN | NT COMPANIES (# 44 | oplicable) |
| Jerry Russell Blis | Ρ' | D+B NUMBER | A-1 Oil Corp | 1 | 1 D+B NUMBER |
| 03 STREET ADDRESS (P.O. BOX. RFD P. OIC.) Mobile Ave | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD . etc.) 149 Strecker A | Rd. | 13 SIC CODE |
| Sauget | 06 STATE 07 | 21P CODE 6 Z Z O I | A-1 Oil Corp 12 STREET ADDRESS (P.O. BOX. AFD #. OIC.) 149 Strecker 1 14 GITY Ballwin | MO 15 STATE 1 | 6 30 11 |
| 08 YEARS OF OFFERATION 09 NAME OF OV | YNER DURING THIS P | ERIOD | | | - |
| 01 NAME | 02 | D+8 NUMBER | 10 NAME | 1 | 1 D+8 NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD #. etc.) | I. | 13 SIC CODE |
| 05 CITY | OB STATE 07 | ZIP CODE | 14 CITY | 15 STATE 1 | 6 ZIP CODE |
| 08 YEARS OF OPERATION 09 NAME OF ON | WNER DURING THIS P | ERIOD | | | |
| 01 NAME | 02 | D+8 NUMBER | 10 NAME | 1 | 1 D+8 NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box, RFD €, etc.) | <u></u> | 13 SIC CODE |
| 05 CITY | 06 STATE 07 | ZIP CODE | 14 CITY | 15 STATE 1 | 6 ZIP CODE |
| 08 YEARS OF OPERATION 09 NAME OF OV | MNER DURING THIS P | ERIOD | | | |
| IV. SOURCES OF INFORMATION (CRE | specific references, e.g., | state files, sample analys | iie, reports) | | · |
| IEPA Duft file 16 | 31210012 | - | | - | |
| | | | | | |
| | | | | | |
| | | | | | |

| O FDA | P | | ARDOUS WASTE SITE | I. IDENTIFI | |
|--|----------|---------------|---------------------------------------|---------------------------------------|------------------------|
| | | | ECTION REPORT FRANSPORTER INFORMATION | ILD O | SITE NUMBER 0066583 |
| II. ON-SITE GENERATOR | | · ··· | | | |
| 01 NAME | | 02 D+B NUMBER | | | |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | <u> </u> | 04 SIC CODE | - | | |
| 05 CITY | 06 STATE | 07 ZIP CODE | - | | |
| III. OFF-SITE GENERATOR(S) | | | <u> </u> | · · · · · · · · · · · · · · · · · · · | |
| O1 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, e | Nc.) | 04 SIC CODE |
| 05 CITY | 06 STATE | 07 ZIP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| 01 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| 03 STREET ADDRESS (P.O. Box, AFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, | etc.) | 04 SIC CODE |
| 05 CITY | 06 STATE | 07 ZIP CODE | 05 CITY | 06 STATE | 07 ZIP CODE |
| IV. TRANSPORTER(S) | | | | | |
| O1 NAME | | 02 D+8 NUMBER | 01 NAME | | 02 D+B NUMBER |
| 03 STREET ADDRESS (P. O. Box, RFD €, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, • | etc.) | 04 SIC CODE |
| 05 CITY | 06 STATE | 07 ZIP CODE | 05 CITY | OB STATE | 07 ZIP CODE |
| 01 NAME | | 02 D+B NUMBER | 01 NAME | | 02 D+B NUMBER |
| O3 STREET ADDRESS (P. O. Box, RFD P. etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, e | etc.) | 04 SIC CODE |
| 05 CITY | 06 STATE | 07 ZIP CODE | 105 CITY | 108 STATE | 07 ZIP CODE |
| | | | | | - : - : |

JEPA BLAC file 1631210012

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

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|---|---|----|
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

1(LD 000665836

| YEFA | PART 10 - PAST RESPONSE ACTIVITIES | | ILD 000665836 |
|--|------------------------------------|-----------|---------------|
| II. PAST RESPONSE ACTIVITIES | | | |
| 01 A. WATER SUPPLY CLOSED 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 B. TEMPORARY WATER SUPPLY PROVIDE 04 DESCRIPTION | ED 02 DATE | 03 AGENCY | |
| 01 C. PERMANENT WATER SUPPLY PROVIDE 04 DESCRIPTION | ED 02 DATE | 03 AGENCY | |
| 01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION | 02 DATE/9/8_3 | 03 AGENCY | TEPA |
| 01 S E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION | 02 DATE | | |
| 1360 | drums of waste and soil | remove | d |
| 01 F. WASTE REPACKAGED 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 H. ON SITE BURIAL 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION | O2 DATE | 03 AGENCY | |
| 01 K. IN SITU PHYSICAL TREATMENT O4 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 D L. ENCAPSULATION 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 ID N. CUTOFF WALLS 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 O. EMERGENCY DIKING/SURFACE WATER 04 DESCRIPTION | R DIVERSION 02 DATE | 03 AGENCY | |
| 01 P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION | 02 DATE | 03 AGENCY | |

| 9 | F | PΔ |
|---|----|----|
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
1LD 000665836

| T RESPONSE ACTIVITIES (Continued) | OD DATE | 20.4051/04 |
|---|---------------------------------------|------------|
| 1 🗆 R. BARRIER WALLS CONSTRUCTED 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 1 S. CAPPING/COVERING 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 1 T. BULK TANKAGE REPAIRED 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 1 U. GROUT CURTAIN CONSTRUCTED 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 11 U. BOTTOM SEALED 14 DESCRIPTION | 02 DATE | 03 AGENCY |
| 11 □ W. GAS CONTROL 14 DESCRIPTION | 02 DATE | 03 AGENCY |
| DI : X. FIRE CONTROL 14 DESCRIPTION | 02 DATE | 03 AGENCY |
| D1 Y. LEACHATE TREATMENT D4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 □ Z. AREA EVACUATED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 1 □ 1. ACCESS TO SITE RESTRICTED 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 □ 2. POPULATION RELOCATED 14 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 3. OTHER REMEDIAL ACTIVITIES 4 DESCRIPTION | 02 DATE | 03 AGENCY |
| | | |
| | | |
| | | |
| URCES OF INFORMATION (Cite specific references, e.g., s | tale files, sample analysis, reports) | |



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER ILD 000665836

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ■ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA BLPC file 1631210012

- POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

| | PART 1 - SIT | E LOCATION AND IN | SPECTION INFORMA | TION LILD | 100910034 | | |
|---|--|----------------------------|--------------------------------|------------------------|-----------------------------------|--|--|
| II. SITE NAME AND LOCATION | | | | | | | |
| | 01 SITE NAME (Lagat, common, or descriptive name of site) AKA Krum Mrich 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER | | | | | | |
| Houte 5 1 | Drum Site | W.G. Plant | Route, 3 | 06 COUNTY | 07COUNTY 08 CONG | | |
| Sauget | | | | St.Clair | CODE DIST | | |
| 09 COORDINATES | | 10 TYPE OF OWNERSHIP (C | heak one) | | 163 23 | | |
| 38 35 32.0 | <u> </u> | A. PRIVATE | B. FEDERAL (| ☐ C. STATE ☐ D. COUNTY | | | |
| III. INSPECTION INFORM 01 DATE OF INSPECTION | ATION 02 SITE STATUS | 03 YEARS OF OPERATION | | · | | | |
| 06,25,91 MONTH DAY YEAR | ☐ ACTIVE ■ INACTIVE | <u>UN KNO</u> | | 60'sunknown | | | |
| 04 AGENCY PERFORMING INSP | | | | | | | |
| □ A. EPA □ B. EPA CO | | Name of firm) | G. MUNICIPAL D. MU G. OTHER | INICIPAL CONTRACTOR | (Name of Rim) | | |
| 05 CHIEF INSPECTOR | | Name of firms | G. OTHER | (Specify) | 08 TELEPHONE NO. | | |
| 1 - | 1 | EPS | | IEPA | (Z17)782-6760 | | |
| Timothy J. M | lurphy | 10 TITLE | | 11 ORGANIZATION | 12 TELEPHONE NO. | | |
| | • | EPE | | 11 | () 41 | | |
| Bruce Ford Greg Spenc | ac | EPS | | 10 | () 11 | | |
| GIEG SPENC | <u> </u> | | | | | | |
| Kim Nika | | EPS | | 11 | () 11 | | |
| | | | · = . · | | () | | |
| | | | | | () | | |
| Bob Hiller | TERVIEWED | ENVI CONHENTO | 15ADORESS 500 McNant | o Ave., Suget, IL | 16 TELEPHONE NO (618) 482-6362 | | |
| | | | | | () | | |
| | | | | | () | | |
| | | | | | | | |
| | | | | | () | | |
| | | | | | () | | |
| | | | | | () | | |
| | | | | | | | |
| 17 ACCESS GAINED BY (Check one) | 18 TIME OF INSPECTION | 19 WEATHER CONDITIO | NS | | . | | |
| PERMISSION WARRANT | 9:30 am | SUNNY, hot | <u> </u> | | | | |
| IV. INFORMATION AVAIL | LABLE FROM | 02 OF (Agency/Organization | | · | 03 TELEPHONE NO. | | |
| Bob Hiller | | Monsanto | Chemical C | | 16181482-6362 | | |
| 04 PERSON RESPONSIBLE FO | R SITE INSPECTION FORM | 1 | 06 ORGANIZATION | 07 TELEPHONE NO. | OB DATE | | |
| Timothy J. | Murphy | IEPA | DLPC/RPMS | 217) 782-6760 | 9 /3 ,91 MONTH DAY YEAR | | |
| CFA FURNI 20/0-13 (/-81) | - | | | | | | |

| 7 A |
|------------|
| |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

LIDENTIFICATION

| | | | PART 2 - WAST | E INFORMATION | | TIED ARON | 16024 |
|--|--------------------------------|--------------------------|-----------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|
| II. WASTE S | TATES, QUANTITIES, AN | D CHARACTER | ISTICS | | . | | |
| 01 PHYSICALS | TATES (Check at thet apply) | 02 WASTE QUANT | TTY AT SITE . | 03 WASTE CHARACTE | PISTICS (Check at thet a | DON) | |
| ☐ A. SOUD ☐ B. POWDE ☐ C. SLUDGE | | | independent) | EJ A: TOXIC EJ B. CORROS EJ C. RADIOA EJ D. PERSIST | BIVE [] F. INFEC CTIVE [] G. FLAM | ☐ E. SOLUBLE | |
| C D. OTHER | (Specify) | NO. OF DRUMS | 5000 | | | ☐ M. NOT AF | PUCABLE |
| III. WASTE T | YPE | | | | | | |
| CATEGORY | SUBSTANCE N | AME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS | | · · · · · · · · · · · · · · · · · · · |
| SLU | SLUDGE | | | | | | |
| OLW | OILY WASTE | | | | | | |
| SOL | SOLVENTS | | | | | · · · · · · · · · · · · · · · · · · · | |
| PSD | PESTICIDES | | | | | | |
| occ | OTHER ORGANIC CH | HEMICALS | | | | | |
| ЮС | INORGANIC CHEMIC | ALS | | | | | |
| ACD | ACIDS | | | | | | |
| BAS | BASES | | | | , , , , , , , , , , , , , , , , , , , | | |
| MES | HEAVY METALS | | | | , | | |
| IV. HAZARD | OUS SUBSTANCES (5++ A | opendix for most frequen | tly cited CAS Numbers | | | | |
| 01 CATEGORY | 02 SUBSTANCE N | AME | 03 CAS NUMBER | 04 STORAGE/DISE | POSAL METHOD | 05 CONCENTRATION | 06 MEASURE OF CONCENTRATION |
| ٥٠ | witrochloro bedz | enes | | landfille | d | unk | |
| ACD | Nitro bi phenol | | <u> </u> | £1. | | 1, | |
| ACD | 4-Nitrophenol | | | 11 | | 11 | |
| OCC | divitro chloro ben | rene | | <u>, l</u> | | tį | |
| OCC | dichloronitrobenz | ene | | ıt | | t, | |
| SOL | Chlorobenzene | | | 11 | | | l |
| | | | | | | | |
| | | | | | | | |
| | See | | | | | | |
| | report | | | | | | |
| | | 2-23 | | | | | |
| | V | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| V EEEDSTO | CKS (See Appendix for CAS Numb | erti | <u> </u> | <u> </u> | | I | <u> </u> |
| CATEGORY | | | 02 CAS NUMBER | CATEGORY | 01 FEEDST | OCK NAME | 02 CAS NUMBER |
| FDS | | | | FDS | | | |
| FDS | | | † | FDS | | | |
| FDS | | | | FDS | | | |
| FDS | | | <u> </u> | FDS | | | |
| | S OF INFORMATION (CAN | enecula relevance a n | Siste illes semaie enstrair | | | | |
| T. SOUNCE | | | | | | | |

Sept 1986, Proposed Cap for the flaute 3 Drum Site at the Monsanto W.G. Krummrich Plant in Sauget, Illinois, Garaghty & Miller, Inc., for Monsanto IEPA BLPC file 163121 0006

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

| | TEICATION |
|----------|-----------|
| OI STATE | 980498059 |

| PART 3 - DESCRIPTION OF HA | ZARDOUS CONDITIONS AND INCIDENTS |
|--|---|
| IL HAZARDOUS CONDITIONS AND INCIDENTS | |
| 01 8 A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: >50 Chloro benzene=\$11 ug/1 VIN | 02 © OBSERVED (DATE: 05/85, 11/85) POTENTIAL ALLEGED, 04 NARRATIVE DESCRIPTION / 1 4-Nitrophenol = 201.3 ug/1 henol = 73,600 ug/1 2,4-dinitrophenol |
| benzene = 461.8 ug/1 1.2 | dichlombur 10=75.5.49/1 =1,299.9 49/1 |
| Chloro form 28 wall lie | dichloro benzene=25.5 ug/l =1,299.9 ug/l |
| | |
| 01 D B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION |
| None documented or observed | |
| 01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) OPOTENTIAL ALLEGED O4 NARRATIVE DESCRIPTION |
| none documented or observ | |
| 01 D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: | 02 OBSERVED (DATE:) OPOTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION |
| None documented or obser | rved |
| 01 L' E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: | 02 C OBSERVED (DATE:) DOTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION |
| None documented or observ | |
| 01 F. CONTAMINATION OF SOIL | 02 © OBSERVED (DATE: 04/01-02/86) POTENTIAL ALLEGED |
| 03 AREA POTENTIALLY AFFECTED: 0.3 | 04 NARRATIVE DESCRIPTION |
| Drums were corroded and leaking | into the landfill as observed by IEPA FOS |
| Personel | |
| 01 G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: | 02 COBSERVED (DATE: 06/26/9/) POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION |
| a small portion of the local | population still utilize well water for |
| | lishment-PT's Show Club has a well which |
| 01 SH. WORKER EXPOSURE/INJURY | ormata concentration of 33 ug/1 |
| 03 WORKERS POTENTIALLY AFFECTED: LINKNOWN | 02 🖸 OBSERVED (DATE:) 🗐 POTENTIAL 🔯 ALLEGED 04 NARRATIVE DESCRIPTION |
| Due to the potential risks to | human health during the excavation of |
| the drums, working at the sit | e ceased and the pit was filled and capped. |
| 01 1. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: 750 | 02 🗆 OBSERVED (DATE:) DOTENTIAL 🗆 ALLEGED 04 NARRATIVE DESCRIPTION |
| See G. above | |
| | |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION

O1 STATE O2 SITE NUMBER

I ED-1920498059

| PART 3 - DESCRIPTION OF HA | ZARDOUS CONDITIONS AND INCIDENTS | 15036 | 101,1003,4 |
|--|----------------------------------|---------------------------------------|------------|
| IL HAZARDOUS CONDITIONS AND INCIDENTS (Communication) | | | |
| 01 J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION | 02 OBSERVED (DATE:) | ☐ POTENTIAL | □ ALLEGED |
| None documented or observed | | | |
| • | | | |
| 01 C K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(s) of species) | 02 🗆 OBSERVED (DATE:) | D POTENTIAL | ☐ ALLEGED |
| none documented or observed | • | | |
| | | | |
| 01 L CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION | 02 OBSERVED (DATE:) | POTENTIAL | ☐ ALLEGED |
| none documented or observed | L | | |
| 01 M. UNSTABLE CONTAINMENT OF WASTES | 02 S OBSERVED (DATE: 12/8.5) | ☐ POTENTIAL | ☐ ALLEGED |
| 03 POPULATION POTENTIALLY AFFECTED: 750 | 04 NARRATIVE DESCRIPTION | | |
| leaking/deteriorated drums | in an unlined landfill | | |
| • • | | | |
| 01 I N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION | 02 GBSERVED (DATE:) | POTENTIAL | ☐ ALLEGED |
| none documented or observe | ed. | | , |
| 01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS O4 NARRATIVE DESCRIPTION | 02 OBSERVED (DATE:) | □ POTENTIAL | □ ALLEGED |
| None documented or observed | | | |
| 01 P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION | 02 ■ OBSERVED (DATE: 12/85) | □ POTENTIAL | - ALLEGED |
| drums were landfilled in the | mid to late 1940's there | was No | authority |
| to regulate such practices at | t that time. | | / |
| 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLE | GED HAZARDS | | · |
| | | | |
| | | | |
| | | - | • |
| 10172.0100 | 50 | · · · · · · · · · · · · · · · · · · · | |
| IV. COMMENTS | | | |
| · | | | |
| | | | |
| | | | |
| V. SOURCES OF INFORMATION (Cite specific references, e. g., state files | . sample enelysis, reports; | | |
| See Part 2 Source | | | , |

| _ | | |
|---|-----|----|
| | F | 7/ |
| | FF | 71 |
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION PART 4-PERMIT AND DESCRIPTIVE INFORMATION

| | IFICATION |
|----------|----------------------|
| OI STATE | 02 SITE NUMBER 98059 |

| YEFA | | , YND DE: | | ION TIVE INFORMATI | ION | ILD, 980498059 |
|--|---------------------|----------------|---------|----------------------------|---------------------|--|
| IL PERMIT INFORMATION | | | | | | |
| 01 TYPE OF PERMIT ISSUED (Check all that apply) | 02 PERMIT NUMBER | 03 DATE | SSUED | 04 EXPIRATION DATE | 05 COMMENTS | |
| 🗆 A. NPDES | | | | | | |
| 🗆 B. VIC | · | | | | | • |
| C. AIR | | <u> </u> | | | - | |
| D. RCRA | | | | | | |
| ☐ E. RCRA INTERIM STATUS | | į | | | | |
| F. SPCC PLAN | | | | | | |
| ☐ G. STATE/Specify) | | | | | | |
| ☐ H. LOCAL (Specify) | | | | | | |
| ☐ I. OTHER (Specify) | | | | | | |
| J. NONE | | | | | | |
| III. SITE DESCRIPTION | | | | | | |
| 01 STORAGE/DISPOSAL (Check all that apply) | 02 AMOUNT 03 UNIT O | FMEASURE | 04 TP | REATMENT (Check all that a | paly) | 05 OTHER |
| ☐ A. SURFACE IMPOUNDMENT _ | | | l ⊓▲ | INCENERATION | | · |
| B. PILES | | | | UNDERGROUND INJ | ECTION | A. BUILDINGS ON SITE |
| C. DRUMS, ABOVE GROUND | | | | CHEMICAL/PHYSICA | | |
| ☐ D. TANK, ABOVE GROUND | <u> </u> | | □ D. | BIOLOGICAL | | None |
| E. TANK, BELOW GROUND | 0,3 000 | | □ E. | WASTE OIL PROCES | SING | 06 AREA OF SITE |
| F. LANDFILL | 0.3 <u>acre</u> | <u> </u> | ı | SOLVENT RECOVER | - | 0.3 |
| ☐ G. LANDFARM _ ☐ H. OPEN DUMP _ | | | □ G. | OTHER RECYCLING | RECOVERY | (Acres) |
| # 1 OTHER buried drums 2 | 5000 | | ■ H. | OTHER Clay Ca | odry) | |
| (Specify) 07 COMMENTS | | | 75 | ncea site | | |
| A drawing in Nitrochlorobenzenes as reported by Ge | s were burie | ed in . Inc | the, th | area mid e PRP con | dle to k sultant | rte 1940'5 |
| IV. CONTAINMENT | | | | | | |
| 01 CONTAINMENT OF WASTES (Check one) | | | | | | |
| A. ADEQUATE, SECURE | ☐ B. MODERATE | □ C. II | NADEQU | JATE, POOR | D. INSECU | IRE, UNSOUND, DANGEROUS |
| 02 DESCRIPTION OF DRUMS, DIKING, LINERS. | | / | 1.1 | | • | 4 |
| Drums in unlined 1 | andfill are lea | uking/a | ze+e: | riorated C | ausing i | a release to |
| groundwater | | , • | | | | |
| 4 | | | | | | |
| Ų - | | | | • | | |
| V. ACCESSIBILITY | | | | | | - · · · · · · · · · · · · · · · · · · · |
| 01 WASTE EASILY ACCESSIBLE: YE | S B NO | | | | | |
| fenced site, Co | apped landfill | l | | | | |
| VI. SOURCES OF INFORMATION (CR. : | | | 0/18) | | | |
| See Part 2 Source | <i></i> | | | | | |
| Der 1 - C - Come | | | | | | |
| | | | | | | |
| | | | | | | |

| \$EPA | , | POTE | SITE INSPEC | | | I. IDENTIFICATION 01 STATE 02 SITE NUMBER 14 D 1 980 4980 59 |
|---|---------------------------------------|--|---|--|--|--|
| IL DRINKING WATER | SUPPLY | | | | | • |
| 01 TYPE OF DRINKING SUF | PLY | | 02 STATUS | | | 03 DISTANCE TO SITE |
| (GIOCH COLOR) | SURFACE | WELL | ENDANGERE | ED AFFECTED | MONITORED | |
| COMMUNITY | . A. 🖝 | B. 🗆 | . W. 🗆 | B. C | C. 🖷 | Aufstream (mi) |
| NON-COMMUNITY | C. 🗆 | D. 🖶 | 0. 🗆 | _ · E. ● | F. 🖸 | B45 (mi) |
| III. GROUNDWATER | | | | | | |
| 01 GROUNDWATER USE IN | VICINITY (Check of | me) | | | | |
| ☐ A. ONLY SOURCE F | OR DRINKING | B. DRINKING (Other sources avails COMMERCIAL, IN (No other water source) | DUSTRIAL, IRRIGATIO | (Limited other | ZAL, INDUSTRIAL, IRRIGA zouvose eveleble) | TION D. NOT USED, UNUSEABLE |
| 02 POPULATION SERVED 6 | BY GROUND WAT | er 750 | | 03 DISTANCE TO NE | AREST DRINKING WATER | WELL(mi) |
| 04 DEPTH TO GROUNOWA | TER | 05 DIRECTION OF GRO | DUNDWATER FLOW | 06 DEPTH TO AQUIFE OF CONCERN | OF AQUIFER | LD 08 SOLE SOURCE AQUIFER |
| 10 | (ft) | W | | 2 10 | (m) | (gpd) TYES NO |
| or description of wells including weeks and occurred munity well serving over 25 people screened in the ADE (alluvium) Other wells are also screened in the Mississippi River alluvium Most people with these wells are also hooked into the community supply | | | | | | |
| DYES COMMENTS high Porosity DYES COMMENTS NO Affluvial Plain NO Mississippi River | | | | | | |
| IV. SURFACE WATER | | | | | | |
| 01 SURFACE WATER USE | Check one) | | | | | |
| TO A. RESERVOIR, RÉCREATION DE B. IRRIGATION, ECONOMICALLY C. COMMERCIAL, INDUSTRIAL D. NOT CURRENTLY USED DRINKING WATER SOURCE IMPORTANT RESOURCES | | | | | | |
| 02 AFFECTED/POTENTIAL | LY AFFECTED BO | OIES OF WATER | | | | |
| name: Mississipp | oi Rive | er | _ | | AFFECTED | DISTANCE TO SITE (mi) |
| | · · · · · · · · · · · · · · · · · · · | ····· | _ . | | | (mi) |
| | | | | | u | (mi) |
| V. DEMOGRAPHIC AT | | Y INFORMATION | | | T-2 :: | |
| 01 TOTAL POPULATION WI | THIN | | | | 02 DISTANCE TO NEAR | EST POPULATION |
| ONE (1) MILE OF SITE A. 3500 NO. OF PERSONS | E TW. | O (2) MILES OF SITE NO. OF PERSONS | c. <u>*</u> | 3) MILES OF SITE 7.5000 NO. OF PERSONS | | . 3 (mi) |
| 03 NUMBER OF BUILDINGS | WITHIN TWO (2) | MILES OF SITE | | 04 DISTANCE TO NE | AREST OFF-SITE BUILDIN | G. |
| | 30000 | <u> </u> | | | <u>"</u> | (mi) |
| OF DOOR II ATION WATERING | ONUTY OF SITE (| | 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - | | | |

large metropolition areas of St. Louis, mo plus less densely populated villages

See page 5-6 of report

| | | | . " | |
|-------|---|----------|-----|--|
| - A-1 | _ | | | |
| - | _ | | • | |
| | | - | | |
| | | | • | |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT RT 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DA

| l. | IDENT | IFICAT | TION | | |
|----|-------|---------|------|-----|----|
| 01 | STATE | 02 SITE | NUMB | R_ | |
| 1 | 「り」 | 98 | 049 | 180 | 59 |

| PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA VI. ENVIRONMENTAL INFORMATION 01 PERMEABILITY OF UNSATURATED ZONE (Check one) A, 10-6 - 10-8 cm/sec B, 10-4 - 10-6 cm/sec C, 10-4 - 10-3 cm/sec D, GREATER THAN 10-3 cm/sec 02 PERMEABILITY OF BEDROCK (Check one) A, IMPERMEABLE B, RELATIVELY IMPERMEABLE C, RELATIVELY PERMEABLE D, VERY PERMEABLE (director than 10-2 cm/sec) 03 DEPTH TO BEDROCK 04 DEPTH OF CONTAMINATED SOIL ZONE OS SOIL ph |
|---|
| O1 PERMEABILITY OF UNSATURATED ZONE (Check one) A. 10-6 - 10-8 cm/sec B. 10-4 - 10-6 cm/sec C. 10-4 - 10-3 cm/sec DD. GREATER THAN 10-3 cm/sec O2 PERMEABILITY OF BEDROCK (Check one) A. IMPERMEABLE B. RELATIVELY IMPERMEABLE C. RELATIVELY PERMEABLE D. VERY PERMEABLE (Greater than 10-5 cm/sec) O3 DEPTH TO BEDROCK |
| □ A. 10-6 - 10-6 cm/sec □ B. 10-4 - 10-6 cm/sec □ C. 10-4 - 10-3 cm/sec ��D. GREATER THAN 10-3 cm/sec 2 PERMEABILITY OF BEDROCK (Check one) □ A. IMPERMEABLE □ B. RELATIVELY IMPERMEABLE ■ C. RELATIVELY PERMEABLE □ D. VERY PERMEABLE (To-4 - 10-6 cm/sec) □ C. 10-4 - 10-3 cm/sec ��D. GREATER THAN 10-3 cm/sec |
| 2 PERMEABILITY OF BEDROCK (Check one) [] A. IMPERMEABLE [] B. RELATIVELY IMPERMEABLE [] C. RELATIVELY PERMEABLE [] D. VERY PERMEABLE [|
| A. IMPERMEABLE D. RELATIVELY IMPERMEABLE C. RELATIVELY PERMEABLE D. VERY PERMEABLE (Less than 10 ⁻⁶ crivsec) (10 ⁻⁴ – 10 ⁻⁶ crivsec) (Greater than 10 ⁻² crivsec) |
| (Less than 10 ⁻⁶ cm/sec) (10 ⁻⁴ - 10 ⁻⁶ cm/sec) (10 ⁻² - 10 ⁻⁴ cm/sec) (Greater than 10 ⁻² cm/sec) |
| 3 DEPTH TO BEDROCK 04 DEPTH OF CONTAMINATED SOIL ZONE 05 SOIL PH |
| 1 06.27 |
| Shink I am to the state of the |
| 7100 (m) 22.5 (m) 4/2/86 UNKNOWN |
| 8 NET PRECIPITATION 07 ONE YEAR 24 HOUR RAINFALL 08 SLOPE |
| 35 (b) 2.5 SITE SLOPE DIRECTION OF SITE SLOPE TERRAIN AVERAGE SLOPE |
| $\frac{35}{(in)} = \frac{2.3}{(in)} = \frac{2}{\sqrt{2}} \times \frac{3}{\sqrt{2}} \times $ |
| 9 FLOOD POTENTIAL 10 |
| Protected by a site is on Barrier Island, Coastal High Hazard area, Riverine Floodway |
| SITE IS 18 500 YEAR FLOODPLAIN |
| 1 DISTANCE TO WETLANDS (5 acre minimum) 12 DISTANCE TO CRITICAL HABITAT (of endangered species) |
| ESTUARINE OTHER LAKE (mit |
| ESTUARINE OTHER (mi) |
| A. (mi) B. (mi) ENDANGERED SPECIES: |
| 13 LAND USE IN VICINITY |
| |
| DISTANCE TO: |
| RESIDENTIAL AREAS; NATIONAL/STATE PARKS, AGRICULTURAL LANDS COMMERCIAL/INDUSTRIAL FORESTS, OR WILDLIFE RESERVES PRIME AG LAND AG LAND |
| |
| , e i |
| A(mi) B |
| |
| 14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY |
| See maps in report appendix A+B |
| are refr in their effective with |
| |
| |
| |
| |
| |
| |
| |
| |
| |

VII. SOURCES OF INFORMATION (Cito appealite references, e.g., state files, sample analysis, reports

USGS Topographic Maps National Wetland Inventory Maps

| ≎EPA | | POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT ART 6 - SAMPLE AND FIELD INFORMATION | L DENTIFICATION O1 STATE O2 SITE MARGER [LD] 980498059 |
|----------------------------|-------------------------------|--|--|
| IL SAMPLES TAKEN | | | |
| SAMPLE TYPE | 01 NUMBER OF SAMPLES TAKEN | 02 SAMPLES SENT TO | 03 ESTIMATED DATE RESULTS AVAILABLE |
| GROUNDWATER | | | |
| SURFACE WATER | | : | |
| WASTE | | | |
| AIR | | | |
| RUNOFF | | | |
| SPILL | | | |
| SOIL | | IEPA Lobs in Spfld. + Champaign | |
| VEGETATION | | | |
| OTHER | | | |
| IIL FIELD MEASUREMENTS TAI | KEN | | |
| NOOLS. | 02 COMMENTS | | |
| | | | |
| | | | |
| | | | |
| IV. PHOTOGRAPHS AND MAPS | j | | · · · · · · · · · · · · · · · · · · · |
| 01 TYPE S GROUND S AERIAL | | 02 IN CUSTODY OF IEPA USEPA (Name of organization or individual) | |
| 03 MAPS 04 LOCATION ■ YES | of maps ending A+B | in report | |
| V. OTHER FIELD DATA COLLEC | CTED (Provide nerrative de | scription) | |
| | | | |
| | | | |

EPA FORM 2070-13 (7-81)

IEPA BLPC fik 1631210006

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state fles, sample analysis, reports)

| SEPA |
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|-------------|

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 7 - OWNER INFORMATION

I. IDENTIFICATION
OI STATE OF SITE NUMBER
ILD 980498059

| ~~ | | PART 7 - OWN | IER INFORMATION | 120 1 | DUT 10057 |
|--|---------------------|-------------------------------------|---|----------------------------|--------------|
| II. CURRENT OWNER(S) | | | PARENT COMPANY (# application) | | |
| MONSONTO W.G. Krum 03 STREET ADDRESS (P.O. BOX, APO.). OC.) | Plant, mrich | 02 D+B NUMBER | OS NAME | 09 | 0+8 NUMBER |
| 03 STREET ADDRESS (P.O. BOX, AFD P. OC.) 500 MONSANTO AVE, | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFD #, et | IC.J | 11 SIC CODE |
| 05 CITY | 06 STATE | 07 ZIP CODE | 12 CITY | 13 STATE 14 | ZIP CODE |
| Sauget 01 NAME | K | 62206-1198 | | | |
| 01 NAME | | 02 D+B NUMBER | 08 NAME | .08 | O+B NUMBER |
| D3 STREET ADORESS (P.O. Sec. MFO P. etc.) | | 04 SIC CODE | 10 STREET ADORESS (P.O. Box, RFD #, et | le.j | 11 SIC CODE |
| 05 CITY | 06 STAT | E 07 ZIP CODE | 12 CITY | 13 STATE 14 | ZIP CODE |
| 01 NAME | l | 02 D+B NUMBER | 08 NAME | 06 | D+8 NUMBER |
| 03 STREET ADORESS (P.O. BOL. RFD P. etc.) | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFO P. or | re.) | 11SIC CODE |
| OS CITY | 06 STATI | E 07 ZIP CODE | 12 CITY | 13 STATE 14 | ZIP CODE |
| 01 NAME | <u> </u> | 02 D+B NUMBER | OS NAME | Of | D+8 NUMBER |
| 03 STREET ADDRESS (P.O. BOX, RFD P. MC.) | | 04 SIC CODE | 10 STREET ADDRESS (P.O. Box, RFO F. or | re.) | 11 SIC COOE |
| 05 CITY | 06 STAT | E 07 ZIP CODE | 12 CITY | 13 STATE 14 | 2IP CODE |
| III. PREVIOUS OWNER(S) (List most recen | r fest) | <u> </u> | IV. REALTY OWNER(S) (# applecable | e: list most recent first) | · · |
| 01 NAME | | 02 D+8 NUMBER | 01 NAME | | C+B NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD P. etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, AFO P. o | vc.) | 04 SIC CODE |
| 05 CITY | 06STATE | 07 ZIP CODE | 05 CITY | 06 STATE 0 | 7 ZIP CODE |
| 01 NAME | | 02 D+8 NUMBER | 01 NAME | 0: | 2 D+B NUMBER |
| 03 STREET ADDRESS (P. O. Box, RFD P. etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, et | IC.) | 04 SIC CODE |
| 05 CITY | 06 STATI | O7 ZIP CODE | 05 CITY | 06 STATE O | 7 ZIP CODE |
| 01 NAME | <u> </u> | 02 D+8 NUMBER | O1 NAME | 0 | 2 D+B NUMBER |
| 03 STREET ADDRESS (P.O. Box, RFD P. etc.) | <u></u> | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD #, etc | e.) | 04 SIC CODE |
| OSCITY | 06STATE | 07 ZIP CODE | 06 CITY | 06 STATE 07 | ZIP CODE |
| V. SOURCES OF INFORMATION (CR) | specific references | . e.g., state filed, sample analysi | i, reports) | | |
| IEPA BLPC FIL 1631210 | 006 | | | | |

| 9 | EF | A |
|---|------|------------|
| | يبيط | <i>y</i> . |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION

| | TEICATION | |
|----------|---------------|------------|
| 01 STATE | OS SILE NAMES | |
| ILD | 480446C | <u>154</u> |

| IL CURRENT OPERATOR (Provide # different from owner) | | | OPERATOR'S PARENT COMPANY (# applicable) | | | |
|---|--|--------------|---|---|---------------------------------------|---------------------------------------|
| 1 NAME | | 02 0 | +9 NUMBER | 10 NAME | | D+B NUMBER |
| Same as c | | 1 70 | 4 812 0005 | | | · · · · · · · · · · · · · · · · · · · |
| 03 STREET ADDRESS (P.O. Box, APD P. etc.) 04 SIC CODE | | | 14 SIC CODE | 12 STREET ADDRESS (P.O. Box. AFD P. etc.) | | 13 SIC COOE |
| DS CITY | 06 | STATE 07 Z | P CODE | 14 CITY | 15 STATE 10 | ZIP CODE |
| DS YEARS OF OPERATION | 09 NAME OF OWNER | | | | | |
| III. PREVIOUS OPERAT | IL PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner) | | | PREVIOUS OPERATORS' F | PARENT COMPANIES # | |
| 01 NAME | | | +8 NUMBER | | | D+B NUMBER |
| N3 STREET ADDRESS (P.O. BOK, RFD #, BIC.) | | | 4 SIC CODE | 12 STREET ADDRESS (P.O. Box, RF) | TREET ADDRESS (P.O. Box, RFD P. etc.) | |
| 05 CITY | 06 8 | STATE 07 Z | PCODE | 14 QTY | 15 STATE 1 | S ZIP CODE |
| 08 YEARS OF OPERATION | 09 NAME OF OWNER DURI | ING THIS PER | HOD | | | |
| 01 NAME | 1 | 02 D | +8 NUMBER | 10 NAME | 11 | D+B NUMBER |
| D3 STREET ADDRESS (P.O. Box, AFD #, etc.) | | | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 13 SIC CODE | |
| 05 CITY 06 STA | | STATE 07 Z | P CODE | 14 CITY | 15 STATE 1 | 2IP CODE |
| 08 YEARS OF OPERATION | 09 NAME OF OWNER DUR | ING THIS PER | BIOD | | | |
| DI NAME | | 02 0 | +8 NUMBER | 10 NAME | 10 NAME | |
| 03 STREET ADDRESS (P.O. Box, AFD P. etc.) | | | 04 SIC CODE | 12 STREET ADDRESS (P.O. Box. AFD P, oic.) | | 13 SIC CODE |
| 06 STATE | | STATE 07 Z | P COOE | 14 CITY | 15 STATE 1 | 8 ZIP CODE |
| 06 YEARS OF OPERATION | URS OF OPERATION 09 NAME OF OWNER DURING THIS PERIOD | | | | | |
| IV COURCES OF INFO | RMATION (Cite apocistic refe | | | <u></u> | | |

IEAA BLAC file 163121006

| ⊕EPA | POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFORMATION | | | 01 STATE 02 SITE NUMBER ILD 980498059 | | |
|--|--|--------------------|--|---------------------------------------|---------------|--|
| II. ON-SITE GENERATOR | | | | | | |
| 01 NAME | 02 | 2 D+8 NUMBER | | | | |
| 03 STREET ADDRESS (P. O. Box, RFD P. etc.) | : | 04 SIC CODE | 1 | | | |
| 05 CITY | 06 STATE 07 | ZIP COOE | 1 | | | |
| III. OFF-SITE GENERATOR(S) | | | | | | |
| 01 NAME | 02 | 2 D+8 NUMBER | 01 NAME | | 02 D+8 NUMBER | |
| 03 STREET ADDRESS (P.O. Box, AFD P. etc.) | | 04 SIC CODE | O3 STREET ADDRESS (P.O. Box, RFD #, etc.) | | 04 SIC CODE | |
| 05 CITY | 06 STATE 07 | 7 ZIP CODE | O5 CITY | 06 STATE | 07 ZIP CODE | |
| 01 NAME | 07 | 2 D+B NUMBER | 01 NAME | | 02 D+B NUMBER | |
| 03 STREET ADDRESS (P.O. Box. RFO P. etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD P. etc.) | | 04 SIC CODE | |
| 05 CITY | O6 STATE 07 | 7 ZIP CODE | 05 CITY 06 STATE 07 ZIP CC | | 07 ZIP CODE | |
| IV. TRANSPORTER(S) | | | | | | |
| O1 NAME | Oz | 2 D+8 NUMBER | 01 NAME | | 02 D+8 NUMBER | |
| 03 STREET ADDRESS (P.O. Box, RFO P. etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P. O. Box, RFD #, etc.) | I | 04 SIC CODE | |
| 05 CITY | OS STATE OF | 7 ZIP COOE | 05 CITY | 06 STATE | 07 ZIP CODE | |
| 01 NAME | 0; | 2 D+8 NUMBER | 01 NAME | | 02 D+B NUMBER | |
| 03 STREET ADDRESS (P. O. Box, RFD #, etc.) | | 04 SIC CODE | 03 STREET ADDRESS (P.O. Box, RFD P. etc.) | 1 | 04 SIC CODE | |
| 05 CITY | OS STATE O | 7 ZIP CODE | ος απγ | 06 STATE | 07 ZIP CODE | |
| V. SOURCES OF INFORMATION (Cite spe | | the second english | | | | |
| IEPA BLPC file L 163 | | | . (19) | | | |

| _ | |
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| | |

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

| | TIFICATION |
|----------|-------------------|
| OI STATE | 98049805 |

| | PART TO-PAST RESPONSE ACTIVITIES | 1.001 |
|---|--|-----------------------|
| II. PAST RESPONSE ACTIVITIES | | |
| 01 A. WATER SUPPLY CLOSED 04 DESCRIPTION | O2 DATE | 03 AGENCY |
| 01 B. TEMPORARY WATER SUPPLY PROVIDE 04 DESCRIPTION | D 02 DATE | 03 AGENCY |
| 01 C. PERMANENT WATER SUPPLY PROVIDE 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 DE CONTAMINATED SOIL REMOVED 04 DESCRIPTION ONLY a Small por | OZDATE 12/85 tion of contominated soil we | 03 AGENCY |
| 2600 20 gallon tib | per packs of waste material and | a Scil removed |
| | 02 DATE 12/115 | 03 AGENCY <u>JEPA</u> |
| 01 D G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION | 02 DATE 1485 | |
| 2600 zo galloni f | iber pocks were incinerated | · |
| 01 DH. ON SITE BURIAL 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 [] I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 (K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 L ENCAPSULATION 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 M. EMERGENCY WASTE TREATMENT O4 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 D N. CUTOFF WALLS 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 O. EMERGENCY DIKING/SURFACE WATER O4 DESCRIPTION | DIVERSION 02 DATE | 03 AGENCY |
| 01 [] P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION | 02 DATE | 03 AGENCY |
| 01 🗆 Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION | 02 DATE | 03 AGENCY |

| | • • • • | ** * | • |
|---|--|-----------|---|
| ⊗EPA | POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES | | L IDENTIFICATION 01 STATE 02 STE MANES LD 980448059 |
| I PAST RESPONSE ACTIVITIES (Continued) | | | |
| 01 C R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 M S. CAPPING/COVERING 04 DESCRIPTION | 02 DATE | 03 AGENCY | I EPA |
| clay cap | | | |
| 01 () T. BULK TANKAGE REPAIRED 04 DESCRIPTION | O2 DATE | 03 AGENCY | - |
| 01 🗀 U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION | O2 DATE | 03 AGENCY | , |
| 01 🗆 V. BOTTOM SEALED 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 DW. GAS CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY | · |
| 01 X. FIRE CONTROL 04 DESCRIPTION | 02 DATE | 03 AGENCY | · |
| 01 O Y. LEACHATE TREATMENT 04 DESCRIPTION | O2 DATE | 03 AGENCY | · · · · · · · · · · · · · · · · · · · |
| 01 T. AREA EVACUATED 04 DESCRIPTION | O2 DATE | 03 AGENCY | / |
| 01 # 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION | 02 DATE | 03 AGENCY | · · · · · · · · · · · · · · · · · · · |
| fenced an | d locked | | |
| 01 2. POPULATION RELOCATED 04 DESCRIPTION | 02 DATE | 03 AGENCY | |
| 01 3. OTHER REMEDIAL ACTIVITIES | O2 DATE | 03 AGENCY | |

III. SOURCES OF INFORMATION (Cité specific references, e.g., state files, sample analysis, reports

JEPA BLAC file LIG3 1210006



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

L IDENTIFICATION

OI STATE OF SITE NUMBER

LD 980498059

IL ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION (1) YES (1) NO

02 DESCRIPTION OF FEDERAL STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite apocific references, e.g., state files, sample analysis, reports)

IEPA DLPC FIL 1631210006

APPENDIX D TARGET COMPOUND LIST

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Vinyl Acetate Bromodichloromethane

1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene

Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane bis(2-Chloroethyl)Ether Benzyl Alcohol bis(2-Chloroisopropyl)Ether N-Nitroso-Di-n-Propylamine Nitrobenzene Hexachlorobutadiene 2-Methylnaphthalene 1,2,4-Trichlorobenzene Isophorone Naphthalene 4-Chloroaniline bis(2-chloroethoxy)Methane Hexachlorocyclopentadiene 2-Chloronaphthalene 2-Nitroaniline Acenaphthylene 3-Nitroaniline Acenaphthene Dibenzofuran Dimethyl Phthalate 2,6-Dinitrotoluene Fluorene 4-Nitroaniline 4-Chlorophenyl-phenylether

2,4-Dinitrotoluene Diethylphthalate N-Nitrosodiphenylamine Hexachlorobenzene Phenanthrene 4-Bromophenyl-phenylether Anthracene Di-n-Butylphthalate Fluoranthene Butylbenzylphthalate bis(2-Ethylhexyl)Phthalate Chrysene Benzo(a) Anthracene 3,3'-Dichlorobenzidene Di-n-Octyl Phthalate Benzo(b) Fluoranthene Benzo(k) Fluoranthene Benzo(a) Pyrene Indeno(1,2,3-cd)Pyrene Dibenz(a,h)Anthracene Benzo(g,h,i)Perylene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid
Phenol
2-Chlorophenol
2-Nitrophenol
2-Methylphenol
2,4-Dimethylphenol
4-Methylphenol
2,4-Dichlorophenol

2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 4-Chloro-3-methylphenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol

Pentachlorophenol
4-Nitrophenol

Endrin Ketone

Pesticide/PCB Target Compounds

alpha-BHC
beta-BHC
delta-BHC
gamma-BHC (Lindane)
Heptachlor
Aldrin
Heptachlor epoxide
Endosulfan I
4,4'-DDE
Dieldrin
Endrin
4,4'-DDD
Endosulfan II
4,4'-DDT

Endosulfan Sulfate Methoxychlor alpha-Chlorodane gamma-Chlorodane Toxaphene Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1254

Inorganic Target Compounds

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium

Manganese
Mercury
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc
Cyanide
Sulfide
Sulfate

APPENDIX E

WELL LOGS

| server Lither | | WATER WELL | وسسيدا | -44 | |
|----------------------------|--|---------------------|--------------|------------------|--------------|
| _ | Midwest | Cutter C | 2. | Well No | #4 |
| Property owner | Cart St. 7 | pui | _ | っ | nay |
| Drilled by | | | | Year Thick- i | Depth of |
| | Formations passed t | hrough | | пева | Bottom |
| Clay. | | | | | 7 |
| Dry cal | low sans | 0 | | 2/ | 28 |
| Sull | na Sand | 2 | | 17 | 45 |
| | ray sand | Λ | | 9 | 53/ |
| w. D.C | vane es | A | | 6 | 60 |
| Bit di | were de | ▲ . | + sult | 18 | 78 |
| Culos | and le | Preller | | 32 | 110 |
| · | | | | | |
| | <u></u> | | | | |
| | [Continue o | n back if necessar; | v1 | ! | <u> </u> |
| Finished in | - American State of the State o | TV No. Po /A | Hen . | ;o | ft. |
| Cased with | inch | 1 110. 1.9.40 | from 0 t | .o | ft, |
| | | from_ | | io | ft. |
| and | | | | | |
| Size hole below co | sing | inch. Static leve | l from sur | 1.20 | /0_1t. |
| Tested capacity_ | | gal. per min. ' | Temperatu | re | •F. |
| Water lowered to | | in, in | h | rs | min. |
| Length of test | hrs | min. Scree | n | | |
| Slot D | iamLen | gth | Bottom se | et at | ft. |
| | | [Show loc | ation in Bec | ition Pia | t) |
| Township name_ | | Elev | П | - - ' | Sec. |
| Description of loc | ation | | . - - | +-1 ' | Twp |
| | | | | +- , | Rge /O W |
| Brating by | Grounde | to piet | ننزل) إ | | - |
| CLAIR Copy for Illinois St | ate Geological Survey | Index: | LOPE | 26-2 | N-10W |

| | - | | | |
|-------------------|--|--|---------------|---------------------|
| TED A | ND MAIL ORIGINAL TO ST. LTH PROTECTION, 535 W | ATE | | |
| | SSACH GEGERGICAL/WA | | .s) | • |
| PROPER N | L LOCATION. | | | ; ··· |
| GEO | LOGICAL AND WATER | SURVEYS V | VELL RECO | RD |
| | chita or | (^ C | ompleted 4 | 4-12-76 |
| | y owner Charton Chem | year lea | Well No. | |
| Addres Driller | is do X trinting | License | <u> </u> | - *^ |
| 1. Permit | | Date | | <u> </u> |
| 2. Water | | I 13. Coun | | هنه |
| at dept | th 40 to 78 ft. | Sec. | 26 | |
| 4. Screen | | Twp. | AN | - - - |
| Length | : 10 ft. Slotted V | Rge. | 10W | +-+- |
| | | Elev. | - | - - - |
| | and Liner Pipe | · | loc | |
| Diam. (in.) | Kind and Weight | From (Ft.) | LO LO | SHOW CATION IN |
| 648 | PVC | 0 | 18 | TION PLAT |
| • | | | | 'SL, 587' |
| | | <u> </u> | SW | (permit) |
| 6. Size H | ole below gasing: <u>lo</u> | in. | | |
| 7. Static | level _/ft. below casi | ing top which | h is | ft. |
| | ground level. Pumping lev | ump set a | | g at _ <u>eLV</u> 7 |
| | ORMATIONS PASSED THROUGH | · | THICKNESS | DEPTHOR |
| - | | | // // | DEPTH OF BOTTOM |
| ÇXA | h | | 109 | 40 |
| Som | d a Grant & a bi | | 1 38 | 78 |
| <u></u> | | | | |
| | | | | |
| . | | | | |
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| | | * | | |
| (CONTINU | E ON SEPARATE SHEET IF | NECESSARY) | | |
| GNED | CLAIR TOUNT | • | | 4-26 |
| | | DA. | | · · · · · · |
| em . | CTATE ICOUNT | Y NOw740 | 77 26- | 2N_10W |

| 74 1 1 1 1 1 1 1 | | M .C. A |
|--|----------------|--------------------|
| operty owner Monsanto Chimical Co. | _Well_N | <u>,20</u> |
| operty owner Monganto Chimical Co. | | 0, # 3 |
| : Med by Lagre-Western (millivery) | _Year | 2-13-49 |
| Formations passed through | Thick- | Depth of Bottom |
| day | | 7 |
| Cirlas. | | _ح_ |
| Olay | 2 | ٠. |
| Sandy clay | 26 | 31 |
| Blade fine sand | 30 | 61 |
| Med. Sand, gray | /3 | 74 |
| med to ware wand | | 79 |
| Cock + crary sand | 2 | 5/ |
| Coarse sand | 3 | 84 |
| Grand sand + 21 most + small rocks | 19 | 103 |
| [Continue on back if necessary] | | |
| inished in | _to | ft. |
| ased with inch COUNTY No. 1949 ron 0 | | |
| ased with inch from 0 | to | ft. |
| and inch from | _to | ft. |
| ize hole below casinginch. Static level from su | rf | ft. |
| antal canadia and man min Tompanet | **** | •17 |
| Programme Services Se | u. e | F. |
| ested capacity gal. per min. Temperat | | |
| ength of test hrs. min. Screen Ski | the | |
| lot Diam Long.h 25 Bottom (Show location in Se | | |
| السالسال | | ec 26 |
| ownship nameElev | l ^s | ec |
| escription of location (1), NE Sand | ┖┼┤╸ | Wp 2 /V |
| T2N, 10 W | I | tge_/s(j) |
| igned County S. 7. | Clai | <u> </u> |
| Top To Attain State Goological Survey EN Index: | | -2N-10W |

| | • |
|--------------------|-------|
| Tested websto | |
| Leave to the total | 11-70 |
| Dillian al | |
| 74.000.00 | |

14

26-2N-10W

LOG OF WATER WELL

| roperty owner Midwest Rubberhiolaining | Gwell N | | |
|---|----------------|---------------------------------------|------------------|
| Drilled by Royal (Margan) | Year | > | |
| Formations passed through | Thick- ness | Depth of Bottom | |
| Sandy loan | 10 | 10 | |
| Dry sand | 14 | 24 | |
| Carre sand | 14 | 38 | |
| Conse sand some gravel | 4 | 42 | |
| Fin sand | 24 | 66 | |
| Et fine sand | 8 | 74 | |
| Coarle cando boulders | 8 | 82 | |
| Very Course sauf + gravel | 24 | 106 | |
| U O | 1 | <u> </u> | |
| [Continue on back if necessary] | _to | ft. | |
| Cased with inch COUNTY No. 437. from | 0 to | ft. | |
| and inch from | _to | ft. | |
| Size hole below casinginch. Static level from s | ur <u>i 28</u> | 3'2"ft. | |
| rested capacitygal. per min. Tempera | | | |
| Water lowered toftin, in | _hrs | min. | in in the second |
| Length of testhrsmin. Screen | · | · · · · · · · · · · · · · · · · · · · | 1 |
| SlotBottom | | ft. | |
| [Show location in 8] Township name Elev | | <u>26</u> | |
| Description of location | | WP | • |
| Description of Isolation | | Re (1) (A) | |
| Gratis of Groundwater Built CO | <u> </u> | (ge | |

LOG OF WATER WELL

| roperty owner Monesato Chesn. Co. | Well No | 15 |
|---|--------------------|-----------------------|
| rilled by H. L. Watson (morethi) | 7. Year_22 | ab. 1941 101. 1941 |
| Formations passed through | Thick- | Depth of Bottom |
| Xolog | 70 | |
| Fini sand | 5 | 75 |
| Fine sand + gravel | 5 | 80 |
| Come sand + gravel | 5 | 85 |
| | 5 | 90 |
| ware sand | 5 | 95 |
| Coarse sand + gravel | 5 | 100 |
| n - n/ - | 2 | 105 |
| Sand + Gravel [Cretinus on back if necessary] | 1/= | 1065 |
| Pinished in COUNTY NO. 7245 | to | ft. |
| lased with inch from 0 | to | ft. |
| andinch | to | ft. |
| Size hole below casinginch. Static level from su | <u> </u> | Y ft. |
| I sted capacity gal. per min. Temperat | are | •F. |
| Water lowered to | hrs | min. |
| Length of test hrs min. Screen fall | res | |
| 3lot 60- 80-100 Diam 16" Length 25" Bottom a [Show location in Se | et at ction Pis | ft. |
| Fownship nameElev | | Sec. 26 |
| Description of location (W, NF Sec. 26, | X | Twp > V |
| TON PIOW | | Rge / U |
| | 000 | 7 7 074 |
| Copy for Illinois State Geological Survey Index: | 26-2 | N-10W |

| | - | 3) |
|--|----------|--------------------|
| LOG OF WATER WELL | | #16 |
| Property owner Montanto Chem. Co. | .Well No | <u>*</u> |
| Drilled by Matan (Walg) | YearA | m/94/ |
| Formations passed through | THISK- | Depth of Bottom |
| Fill | 10 | 10 |
| mud | 8 | 18 |
| Fingellow sand ->? | | |
| Sand | 20 | 38 |
| gravel | 38 | 76 |
| Fingravel | 5- | 81 |
| gray gravel | 10 | 91 |
| gravel | 10 | 101 |
| gravel | سی | 106 |
| 1 | -/06 | ft |
| Cased with inch COUNTY No. 1911 from 0 | to | ft. |
| and inch trom | ia | ft. |
| Size hole below casinginch. Static level from sur | 1_3 | <u>O</u> ft. |
| Tested capacitygal. per min. Temperatu | re | •F. |
| Water lowered toftin, inh | rs | min. |
| Length of test hrs min. Screen felic | um | <u> </u> |
| Slot Diam 16 Length 30 Bottom se | t at | |
| Township name. Elev. Show location in Sec | | <u> </u> |
| Description of location SW, NE Sec. 26 | Пт | wp = 1/ |
| Tan RIOW | + | ge /011 |
| Signed County L. A. State Geological Survey NVE Index: | | |
| Cop FloAlinois State Geological Survey NVE Linder: | | N-10W |

1888 Brown

. 484

| | | 8889 | | (4) |
|------------------------------|--|-----------------------------|--|------------------|
| L | .OG OF WATER WEL | .L. | | |
| Property owner Money | to Chem Co. | | Well N | Zest well |
| | | | <i>1</i> | B.1948 |
| Drilled by Yayne - Wester | u (P. Jakle) | | | |
| | na passed through | | Thick- ness | Bottom |
| Cinhi fill Hand even ala | | | 8 | 8 |
| Clay Blesta sent | to sing Lower | · | 3 | 15 |
| Black & bonos | | • | - | 200 |
| Brown sand | and ay way | | 10 | 30 |
| n n the | mile som | | | 33 |
| Fino to Med, gray | sanle! | | 5- | 40 |
| mel gras an | | | 10 | 50 |
| mediti codore go | an sand | | اسور | 65 |
| me la come colin | .017 · | | | 70 |
| sand of boulders, b | the clay showing | • 4 | -5- | 75 |
| Treneta Jour Gara | Selt Very Ot | eldino. | | 80 |
| Med. sand, some | grapul 1 | | 5 | 85 |
| Med. to Convert 60 | the Tgravel | | 15 | 100 |
| Coares sand = | wavel - Rould | 1 140 | 8 | 108 |
| on rock at | 10% | | | |
| | Continue on back if necessar | [עו | <u>'</u> | ' |
| Finished in | at | t | 0 | ft, |
| • | The state of the s | | | |
| Cased withinch | COUNTY No. 1242 | from 0 t | 0 | ft. |
| | | | | |
| andinch | Irom | اــــــا | o | ft. |
| Size hole below casing | inch Static leve | al from sur | , | ft. |
| Die note below casing | | si iivm but. | | |
| Tested capacity | gal. per min. | Temperatu | re | •F. |
| Water lowered to | ; ftin_in | h | ra | min. |
|] | | | | |
| Length of test hr | min. Scree | n | | |
| | | | | |
| SlotDiam | | _Bottom se cation in Sec | | ft. |
| Township name | Elev. 4/0 | . [| X | ec > 6 |
| | 7070 | | 7 7 | |
| Description of location A.F. | NE Sec. 26, | ╌┼╼┼╾ | | 'wp -2 A/ |
| -3N R10 | 10 | - - - | ┿┪, | ige /0 (-) |
| | | · L | | -0 - |

_County_____

| _ | | | +. . | | _ ~_ |
|-----------------------|-------------------|---------------------|--------------|-----------------------|--------------------|
| (E) | Est. | | | | يديده مسكر أينا |
| · | LOG O | F WATER WELL | L | (sam | in will |
| 24 | | 1/0. | | | theli |
| Property owner 2 | _ | | ···· | Well N | 0.24 |
| Drilled by | -Western | (F. Sallee | .) | Year | 6.1947 |
| | Formations passed | d through | | Thick- ness | Depth of Bottom |
| Brown to 4 | Mar class | | | 9 | 10 |
| Armen Sale | by alay | 1 : | | 20 | 30- |
| Among Una | C. D = 10 | | | 10 | 43 |
| Wed ban | d. some | gravel ska | shining | 7 | 50 |
| Ting sack | ed second f | agreement of | fation? | 10 | 70 |
| med Same | lisomy s | here | | 5 | 7: |
| Time to Co | modean | legrant is | ros lder | 10 | 85 |
| | | Same | _ | 5 | 90 |
| · // | • | Sa not gra | | 19.50 | 109'8 |
| on make | _ | 1/ | | • | |
| -611 5708 | | 7 | | | |
| | | | | <u> </u> | <u> </u> |
| Finished in | [Continue | on back if necessar | | 0 | ft_ |
| Finished in | | at | | o | I ī, |
| Cased with | inch COt | MY No. 194 | Efrom 0 t | o | ft. |
| andi | nch | TO THE | | o | ft. |
| Size hole below cas | ing | _inch. Static leve | i from sur | r | ft. |
| Tested capacity | ··· | _gal. per min. | Temperatu | re | *F. |
| : Water lowered to | | | _ | | |
| • | | | | | min. |
| Length of test | hrs | min. Scree | n | | |
| Slot Dia | mLe | me.h | Bottom se | <i>U-⊸ (r</i> t at | ft. |
| | | | ation in Sec | tion Plat | 1 |
| Township name | | Elev | | ∏∤ s | oc 26 |
| Description of locati | on NEV | = Sec. 26 | , | 1 | WP JN |
| ! | Rish | | | ┼-┤. | 104 |

26-2N-10W

Signed State Geological Survey

26-2N-10W

. Barre

LOG OF WATER WELL

extiss

| roperty owner Lewin - Nather | .Well N | 0 |
|---|---------|--------------------|
| rilled by H. C. Water (Moll) | Year | nv 1948 |
| Formations passed through | Thick- | Depth of Bettom |
| Turnhal | 3 | 8 |
| Fine sand | 12 | 25 |
| 7 7 | 20 | 35- |
| n n + gravel | 10 | 45 |
| med sand + gravel | 2 | 47 48 |
| mile Samely Great | 4 | 52 |
| mell. Sandy gravel | 10 | 62 |
| h n n n | 8 | 70 |
| of or of by | 5 | 75 |
| n nn n trock | 5 | 80 |
| consessant. | 2 | 85 |
| Corne sand in work | 5 | 90 |
| Crange sand | -5 | 95 |
| Crans sand - rock | 5 | 101 |
| Crary spart took | 1 | |
| | 1 | <u> </u> |
| [Continue on back if necessary] | | |
| | to | ft. |
| 'inished in COUNTY No. 1933 | | |
| and with inch from 0 | to | ft. |
| • | | |
| and inch from | .to | ft. |
| lize hole below casinginch. Static level from sur | r1 | ft. |
| 'ested capacitygal. per min. Temperate | | *F. |
| Vater lowered toftin. in | | |
| | | |
| ength of testmin. Screen | | |
| llot Diam Length Bottom s (Show location in Se | | ft. |
| ownship name Elev | | Sec - 6 |
| Description of location NF, SW Scarze | | Twn. |
| | | |
| TON, RIOW | | Rge |
| igned County | 66. | |
| epy for Illinois State Geological Survey Index: | | 2N-10W |

| 00 | OF | WA | TED | WEI | 1 |
|----|----|----|-----|-----|---|

| LOG OF WATER | WELL | | | |
|---|-----------------|--------------|-------------|--------------------|
| Property owner Lewin - Wather - Mon | unte | M.W | ell No | 0 |
| Drilled by H. L. Water (graves) | | • | | _ |
| Formations passed through | | | | Depth of Bottom |
| Fin Sand | | | 20 | 70. |
| | | | 8 | 78 |
| Good formation | | | 26 | 104 TD |
| 0 1 | | | | |
| | | | | |
| | | | | |
| | | | | |
| COUNTY No | 16 | | | |
| | | | | |
| [Continue on back if n | ocessary) at | to | | ft. |
| Cased with inch | | | | • |
| andinch | | | | |
| Size hole below casinginch. Stat | | | | |
| Tested capacitygal, per | min. Ten | nperature. | | •F. |
| Water lowered toftin | . in | hrs. | | min. |
| Length of test hrs. min. | Screen_ | | | |
| Slot 30 Diam /2" Length 26's | 5 4 Bo | tom set | at | ft, |
| _ | | n in Section | | - |
| Township nameElev | | | _ s | ec 2 (, |
| Description of location NF, SW Sec. | 26, | ╁╁┼ | - Т | wp. = 4/ |
| Tan RIOW | <u> </u> | 1-1-1 | R | ge 1: W |
| location by Draw caucater De Signed Count | 116-1 | 1. C(| | |
| Signed Count Copy Har Alliabis State Geological Survey | ترنع و ndex: | | 26-2 | 2N-10W |

. St. Louis - diometanto P. O.

4W Map No. R. LOW

1

DMPANY F. Thorpe- Engineer ARM Evang-Wallower Zinc Cs. UTHORITY F. Thorpe

OLLECTOR ONFIDENTIAL

T.-DRILL RECORD

17893 414 5 29

LEVATION

DATE DRILLED March 1929

| | Thickn | es 4 | Dept | | |
|--|--|------------------------|---|-----|--------|
| STRATA | Feet | In. | Feet | In | - 36 6 |
| Subsoil & clay Sand, extremely fine Sand, very fine, loamy Sand, very fine Sand, fine Sand, fine Sand, fine, gritty Boulders up to 4" with some sand Regular building sand Sand, medium coarse Sand, very coarse | 16 11 8 11 6 3 7 5 14 2 19 | | 16 27 35 46 52 55 62 67 81 83 102 | | |
| "During the month of March, installed a porous concrete I.D. and 40° O.D. at the pleaser Stand Co. at P.O., East St. Louis, Ill. above is the log of all the we went through in Well #2 "The static level of water the river level." [Letter of F. Thorpe rec'd. NO ENVELOPE | ant of Monsan and the strat varies | the to a with | | | |
| 94 | | index No. | 04 | W24 | |

TOWN Rast St. Louiswiship companyThorpe Concrete WellnCo. FARM Certain-teed Products No. 3 AUTHORITY Written log ELEVATION 416 topo. COLLECTOR Ireland DATE DRILLED 4-34 confidentiath and Broadway

| . M | lep No. | 4 V W | N | |
|-----|---------|----------|------------|--|
| | 7 | | 80c. 24 | |
| | | | | |

| | MDENISth and Broadway | Thicks | 1600 | Dep | th |
|-----|---|--------|------|----------|-----|
| No. | COUNTY NO. /739 | Feet | In. | Feet | In. |
| | Cinder fill | 6 | | 6 | |
| | Grupo | 4 | | 10 | |
| | Soil, sandy | 7 | | 17 | |
| | l gand fine | 10 |] | 27 40 | |
| | gand, extremely limb | 13 | 1 | · · | } |
| | gond fine loamy | 13 | 1 | 53 60 | 1 |
| | Sand, fine, gritty | 7 4 | 1 | 64 | ļ |
| | Sand, fine, gritty Clay, blue Sand, quick Band, fine | 26 | | 90 | |
| | Sand, quick | 2 | 1 | 92 | |
| | Sand, gritty | 9 | Į. | 101 | |
| | Gravel, fine | 6 | | 107 | |
| | Sand COSTSO | 2 | 1 | 116 | |
| | Boulders 2" to 10" | | | | |
| | | 1-21 | | 120 | . |
| | Baits drilled 3 wells | 1 | | 120 | 1 |
| | · | 7-17 | 4 | 1119 | |
| | | 111-11 | | | |
| | | | 1 | Ì | 1 |
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| 1 | | | | | |
| 1 | | | | 1 | |
| 1 | · | | 1 | | |
| | · | | 1 | 1 | |
| 1 | | | | | |
| 1 | NO ENVELOPE | | | | ļ |

24-2N-10W

Index No.

County ST. CLAIR T.-DRILL RECORD 47327-10M-4-35

Index No.

04W 24

24-2N-10W

4 Illinois Geological Survey, Urbana.

N Cahokia Township MAP No. 4W PANY Union Electric Light & Power 10W 100 ft. S. of N. property line 10W HORITY 258 ft. E. of Eastern Inner 2 Provation Harbor line. Hole No. 1 N 23

| STRATA | Тинския | 98 | Darti | , |
|---|---------|---------|------------|---------------|
| COUNTY NO. / Z 30 | Fant | J. Kat. | FRET |) In. ; |
| Mud, black and fine sand | 30 | | FRET 30 | 1 1 |
| Sand, fine | 4 | | 34 | 1 |
| Sand as an as | | ٠٠. | 36 | i |
| Sand, coarse | 2 | ì | 20 | 1 1 |
| 5% 1/8 in. gravel | | ļ |] . | |
| 25% 1/4 in. gravel | 2 | ì | 38 | |
| 30% 2 in. gravel | 2 | | 40 | |
| | 8 | l | 48 | |
| Sand, coarse | | | 30 | |
| 30% 1/8 to 1 in. gravel | | | I | |
| Sand, coarse | 4 | ۱. | 52 | |
| 10% 1/4 in. gravel | | | | 1 |
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| and the second | j . | 1 | Ì | |
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| | | [• • | { | 1 * 1 |
| to the second service of the second services | | } | 1 | 1 |
| | | l . | 1 | |
| | | ! ` | 1 | |

Index No. 04

ELINOIS STATEProjected, 23-2N-10W

ophn C. Moore Corporation, Bochester, N. Y. Binder and holes in leaves, each Patented 1998. 30213

Sant Line

(575--6M--7-23

rown Cahokia township Mapro 4W company Union Electric Light and Power 10W FARM 300 ft. S. of N. Property Line Muthomity 250 ft. E. of Eastern Inner 2 Proj. ELEVATION Harbor line Holens. 2 N 23 COLLECTOR DATE DRILLED

| eresta l | THICKNESS | Darth | |
|---------------------------------------|-----------|---|------|
| COUNTY NO. / Z3/TRATA | Part In | | la. |
| Sand, fine | 10 | 10 | |
| Sand, very fine | 8 | 18 | |
| Mud. black | 6 | 24 | |
| Mud, black and fine sand mixed | 11 | 33 | |
| Sand, fine. 10% 1/4 in. gravel | 5 | 38 | |
| Sand, coarse. 15% 1/2 in. | _ • | | |
| gravel | 5 | 43 | |
| Sand, coarse 20% 1/2 in. gravel | 5 | 48 | |
| Sand, fine Sand, coarse. Pieces of | 5 | 53 | |
| soapstone | 5 | 58 | |
| Band, coarse | 8 | 66 | |
| 5% 1/4 in. gravel Band, coarse | 6 | 72 | |
| 10% 1/2 in. gravel | • | 12 | |
| Band, coarse | 4 | 76 | |
| 20% 4 in. gravel Band, coarse, | 15 | 91 | |
| 20% 3/4 in. gravel | | 1 "- | |
| Sand, coarse | 10 | 101 | |
| Minus 73.66 Rock | | | |
| | | | • |
| | | | |
| | | • • • • • • • • • • • • • • • • • • • | |
| | • | | , |
| | ! | | (kg |
| | | | |

County St. Clair

... DRILL RECORD

THINORS STATIProjected 23-12N-10N

11:1

11

Page 1

£ 300

ILLINOIS GEOLOGICAL SURVEY, URBANA

| INDUSTRIAL Permit #NFL8L9 | Thickness | Top | Bettem |
|--|-----------|-----|--------|
| | | | |
| Yellow brown clay | ł | 0 | 10 |
| Fine sand brown | } | 10 | 25 |
| Medium coarse sand brown | ł | 25 | 30 |
| Coarse sand brown with pea gravel | ł | 30 | 35 |
| Coarse sand brown | | 35 | 40 |
| Medium coarse sand brown | | 40 | 55 |
| Medium fine sand brown | | 55 | 60 |
| Fine sand brown | | 60 | 70 |
| Very coarse sand gray with 12" gravel | 1 | 70 | 80 |
| Very coarse sand gray with an gravel | | 80 | 85 |
| Very coarse sand gray with 3/4" gravel | | 85 | 90 |
| Very coarse sand gray with 3" gravel | | 90 | 95 |
| Very coarse sand gray with 3/8" gravel | Ì | 95 | 100 |
| Very coarse sand gray with 1" gravel | | 100 | 105 |
| Very coarse sand gray with 3/4" gravel | [| 105 | 107 |
| Very coarse sand gray with an gravel | ĺ | 107 | 113 |
| Very coarse sand gray with 3" gravel | l | 113 | 116 |
| 1 | ĺ | ĺ | TD |
| Size of hole 38" | | | [|
| Casing: 88" - 18" outside diameter | | j | |
| steel | | | ļ |
| Casing elevation 2' above gra | le l | | } |
| Static water level 36.9' top of casing | | |] |
| 2h tons gravel pack 11" wall 45' abo | ve sci | een | |
| Screen: Johnson Stainless Steel 18" n | omina] | |] |
| diameter. Length 30' set at 116' | | | |
| Slot size: .060' | | | ļ |
| Two well 300' apart were drilled under | Perm: | t | |
| #NF4849 S.S. # 55984 | | | |
| NO ENVELOPE | | | |
| * North Reservoir | | | |

Luhr Brothers, Inc. :OMPANY Midwest Rubber Reclaiming Gg. 10 FARM September 3, 1968 2856 COUNTY NO. DATE DRILLED Luhr Bros. Inc. VITRORITY ELEVATION Lot 209 Third Subdivision of Cahokia* .OCATION Commonfields ST. CLAIR 23?-2N-10 W **YTHUG:**

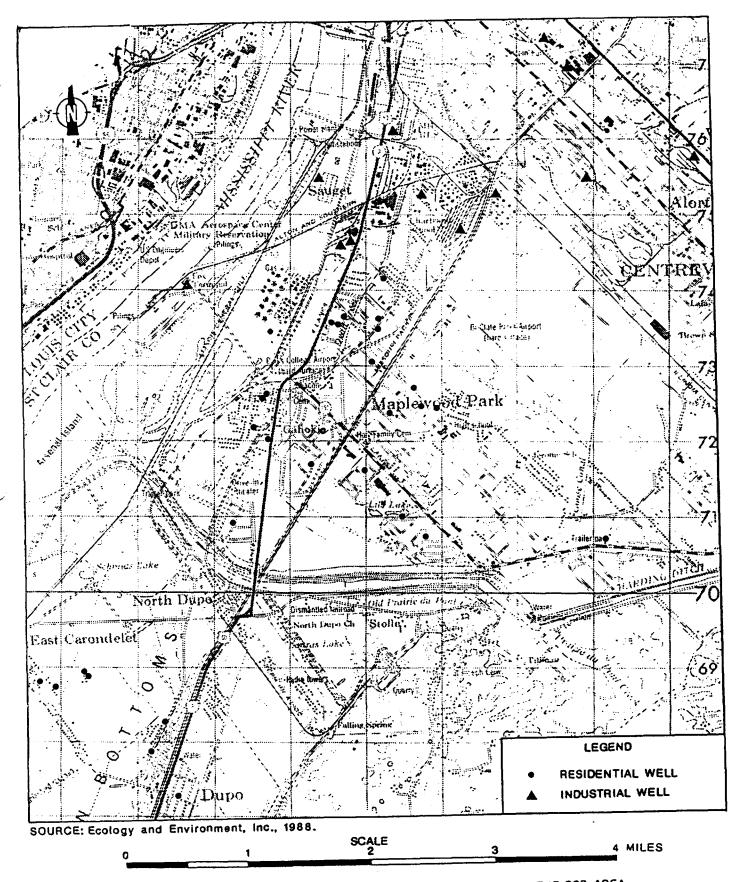
'ILLINOIS GEOLOGICAL SURVEY, URBANA

Luhr Brothers, Incorparted. Midwest Rubber Reclaiming Com. COMPANY 11 FARM September 6, 1968 2857 DATE DRILLED Luhr Bros. Inc. AUTHORITY si spanjaga ELEVATION

Lot 209 Third Subdivision of Chhokia HOITAGO Commonfields COUNTY

ST. CLAIR

* * ...



RESIDENTIAL AND INDUSTRIAL WELL LOCATIONS IN THE DCP AREA

The following is an explanation of the ISWS Private Well Database Printout.

101 02H11W061TU IN BURNS HACKER 021090 X 2935 16 C 00 PM

Field
Columns Length Name Description

1-3 3 FIPS County Code Number

FIPS means Federal Information Processing System and is a Federal number to designate a county.

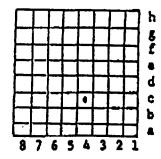
4-8 5 SGS County number

SGS County number is the Geological Survey ID# that is assigned as an internal identification number.

9-18 10 Location Township columns 9-11
Range columns 12-14
Section columns 15-16
Plot columns 12-18

The location system uses the township, range, and section. The location consists of five parts: county, township, range, section, and coordinate within the section. Sections are divided into rows of 1/8-mile squares. Each 1/8-mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains 8 rows of 1/8-mile squares; an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown in the diagram.

St. Clair County T.2N., R.10W. Sec. 23



The location of the well shown above is STC 2N10W-23.4c. Where there is more than one well in a 10-acre square they are identified by arabic numbers after the lower-case letter in the well number.

| Columns | Field Length | Name Description |
|---------|-----------------|--|
| 93-94 | 2 | Well type - A two letter code indicating the type of well Blank - Assumed drilled BD Bored and dug DU Dug (being phased out) DR Driven SP Sand point SG Spring |
| 95-96 | 2 | Aquifer type - A two letter code indicating aquifer type Blank - Undeterminable BR Bedrock UN Unconsolidated |

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, from chemical analysis reports, from well sealing forms or well inventory forms from the 1930-34 well survey and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been field verified.

| Columns | Field Length | Nama | Description |
|---------|-----------------|---|---|
| 19-48 | 30 | Owner | • |
| 49-68 | 20 | Driller | |
| 69-75 | 7 | Date | Month columns 69-70 Day columns 71-72 Century columns 73 Year columns 74-75 |
| 76 | 1 | issued permit M Min onl irr P Pub sup E EPA N No | es and Minerals (after 1988 y observation walls and igation wells) lic Health - all non-community plies - Community supplies |
| 77-82 | 6 | Permit number | |
| 83-86 | 4 | Depth (in feet | :) |
| 87-90 | 4 | G Ghen I Inve X Indi | Indicates paper source that documents the well exists, since records were collected before well log submittal was required. idevit sical analysis entory cates comment in owner field othing unusual |
| 91-92 | 2 | GO Gons DO Dome IN Indu IR Irri MO Moni MU Muni NG Non- | o1 · |

| 163 | 01N09N047FLALUMIER E | | 0000943 29 C DU |
|------------|--|--------------------------|---|
| 163 | OINOPHOS JC RR A YARD | LAYNE WESTERN | 0400947 105 L CM |
| 163 | OINOQNOBIABARBEAU E | DOHRMAN | 0901977M065458207 L DB |
| 163 | OINOSHOBICOLIVER M | DS DRILL | 0911974H032393140 L DO |
| 163 | OINOSMOSTEPLAT E | | 0000943 27 C DU |
| 163 | 02NO9NO75DCIRCLE PKG CE | WATSON | 0200942 120 L CN |
| 163 | 02H09H075ECIRCLE PKG CO | LUHR | 0000962 112 IC CM |
| 163 | 02NO9NO7SECIRCLE PKG CD | LUHR | 0719966 115 IC CM |
| 143 | 02N09N076DCIRCLE PKG CO | | 0000941 111 LC CM |
| 163 | 92NO9N076EE SIDE PK8 | 61191 PB | 0000906 100 L CM |
| 163 | OZNOSNOTAEHINTER PKG CO | BUTLER | 0421958 116 L CK |
| 163 | OZNOSNOZASHUNTER PKG CO | LAYNE WESTERN | 0000968 106 I CM |
| 163 | OZNOPNOTTEHUNTER PK8 CD | FRANK | 0322957 100 L CH |
| 163 | 02N09W077EHUNTER PK6 CO 02N09W077FHUNTER PK6 CD | LUHR | 0306956 106 LC CM |
| 163 163 | 02N09W087APFIZER | IAVME WESTERN | 0000943 110 C CM 0814972H016352115 L CM |
| 163 | 02N09N0B7APFIZER | LAYRE HESTERN RUESTER | 1100983N109867117 L CH |
| 163 | OZNOWNOSTHERN RR LAKE ROAD HOUSE | MATSON | 0900941 115 L CM |
| 163 | OZNOŚNOŚZNIEDERER DAIRY | WH! SUR | 0000936 96 C CM |
| 153 | D2NO9WO97ANIEDERER DAIRY | WATSON | 0300946 98 LC CH |
| 163 | OZNOWIOSONATERLOG ICECREAN | #H12UR | 0000942 122 C CH |
| 163 | C2NO9H1O3DWATERLOG ICECREAM | | 0000942 124 C CM |
| 163 | 02NO9H1066WALMORTH CO | | 0000742 124 C CR |
| 163 | OZNOPNIOSHWALWORTH CD | | 0000943 124 C CM |
| | 59102NO9W151EFREEDON CONCRETE | ST CH DRILL | 1208987M137981100 L CM |
| 163 | 02NO9W157ASCHRANI J | At Mi putter | 0908954 98 L DO |
| 163 | 02KO9N1& | | 000093C 110 C DC |
| 163 | 02NO9W14 JONES PK | | 0000954 C PK |
| 143 | 02N09W167AE ST LOUIS CASTINS | | 0200943 116 LC CM |
| 163 | OZNOWNIABEWATERLOG ICECREAN | NATSCN | 0907939 59 L CN |
| 163 | 02NO9N17ZBAM ASPHALT ROOFING | NATSON | 0200947 105 L CM |
| 163 | 02N09N173BAH ASPHALT ROOFING | WIN : 45.1 | 0000939 115 LC CM |
| 163 | 02KO9W173FE ST LOUIS PK DIST | • | 0000930 110 C PK |
| 163 | DD TRIAS SHALLLINGTTINGONSO | THORPE | 0600929 117 L CM |
| 163 | 02NO9W1776WILLAIRS PAINT CO(TEST) | LAYNE NESTERN | 0000947 116 LX EN |
| 163 | 02NO9N1776HILLIAMS PAINT CO | THURPE | 0000947 114 L CM |
| 163 | OZNOPH1776WILLIAMS PAINT CO | THORPE | 0000947 115 L CH |
| 163 | 02N09W177GWILLIAMS PAINT CO | THORPE | 0600929 113 L CM |
| 163 | 02NO9W177BWILLIAMS PAINT CO(TEST) | LAYNE WESTERN | 0000947 117 LX CM |
| 163 | 02HO9W1776WILLIAMS PAINT CP | | 0000928 100 C CM |
| 163 | 02NO9N177HPF1ZER | THORPE | 0000947 114 IC CM |
| 163 | OZNO9#178BDRUG STORE | | 0000949 B4 C CM |
| 163 | 02NO9H187CROXY THEATRE | | 0000944 91 C CM |
| 163 | 02NOVH187GSANNER ICE | HOSTAN | 0000943 116 CL CH |
| 163259 | POJOZNOPNIY PRESTRESSED SLABS | ST CH DRILL | 1029986H:26802100 L CM |
| i 43 | OZNOVNI93HHDHE ICECREAM CO | | 0000933 115 LC CN |
| 163 | OZNOPN198EDBEAR NESTER CO | | 0000943 104 C CH |
| 163 | OZNOPN198FCERTAIN TEED PROD | | 0903952 106 L CM |
| 163 | OZNOPNIPBECERTAIN TEED PROD | | 1026950 110 L CM |
| 163 | OZNOPNI98FDBEAR NESTER CO | | 0000943 104 C CM |
| 163 | OZNOPH1989LEMP BRENING CO | | 0000946 720 C CM |
| 163 | DENONEDRAL TON AND SOUTH RR | 112 PM Mars | 0000944 100 C IN |
| 163 | OZNODNZ31ADPEN AIR THEATRE | WATSON | 1000941 83 L CM |
| 163 | 62NOVEZICOUPP R | ST CH DRILL | 0727977#043742114 L DO |
| 163 | O2NOPH232FPOPP R | KOINEN | - 0623984N11312361 L IR 97 C CN |
| 163 | 02NO9W243HAM ZINC CO 02NO9W29 ALUNINUN ORE COO | | 1000940 1215L IN |
| 163 163 | OZNOWNZY REUNTRON UKE COU OZNOWNZYSGIND TRACK SUP INC | KOHNEN | 0119981N09811132 L DU |
| 163 | OZNOPHZ9BFCHEM TECK PROD | VAULEU | 0000972 98 IC CM |
| 193 | ARMALMETAL CHICH LEGH LUAR | | 4044115 10 PU |

| 163 QZNIONZ6ZNAM ZIMC CUGH | | | | | | | | | _ | 02K0K26 | 92MC1NZ0 | 02N19W26 | ¢2N10#26 | 163 02N19H26 LEI | 02N19H26 | | | 163 OZNIONZSTENDBIL DIL | ٠ | | TAT OBSTANCE OF CALCULATION OF CALCU | | | #C#01#76749C7 | | CZN10K25 | 02N10W25 | 02110425 | 02N19#25 | 02N10H25 | 02K10H25 | 163 0240 1826 191 | 22K01KZ0 | 02N10N25 | | 02H10#25 | 02N10N25 | 02H10H2S | 7.63 02N/0W25 MON | #CP(0) #CO | | 02W10#25 | 02110125 | 02N10W25 | | | 02N10N241ECE | ₹ | | | 0137002110122 | | 163 OZNICHIOSBNAT STOCK YD |
|----------------------------|--------------|-----------|------------|-----------|-----------------|-----------------|-------------|---------|----------|-------------------|----------|----------|-------------------|------------------|---------------|---------------|----------|-------------------------|------------|---------|--|---------------------|---|------------------|--------------------------|------------------|------------------|---|----------------------------------|-----------------|------------------|-------------------|----------------------------|------------------|----------------|--------------------------|------------------|--------------------------|---------------------------|------------|------------------|--------------------|------------|----------|--------|-----------------------------|----------------|---------|---------|--------------|---------------|-----------------------|----------------------------|
| QONIONOSTRIBURE BATORE | | | | | S PLANT US ARRY | S PLANT US ARMY | 뭂 | | | MINUSCI PUBBER CO | RUBBER | | HIDEUST RUBBER CO | | AN AG CHEN CO | CON NOBIL OIL | | | SOUTH CHEM | i i | האצעו היוממנט בט פנר הנכ | יין אור פיני פור | 11 nr | | TORUSTIC CAROLICATORNALI | | | | | | | | MANAGERATA COCKETANDOSORYE | | | HONESHTO CHEMITEMPORARY) | | MONSANTO CHEMITENCORARY) | MONSAWID CHEK! TEMPORARY! | | ון פור דר פור | | | | IT OIL | 02N10#241HCERTAIN TEED PROD | TAIN TEED PROD | SAUCERY | | ACKS TO CHEK | 몱 | MISSOIRI ILL MATERIAL | STOCK YO |
| 3200 | HATCHE STORY | NATEON | | | | | WATSON | | | SA TSOX | HOROER | おからのかと | THURPE | WATSON | WATSON. | MATSON | THORPE | LUNG | | MATSON | THORPE | | 5 | £ : | 07 74 78 II | RARRATO | BARRATO | SARBATO | SARBATO | BARBATO | BARBATC | BASSATO | RARBATO | 242410 242410 | BARBATU | BARBATU | SARBATO | BARBATO | BARBATO | RATSON | WATSON | 22 1007 22 1007 | ERISON | | | HATSON | | HATSON | RANNEY | RANNEY | RANNEY | | |
| 200000 | 000043 | 0000941 | 0300945 | 0000017 | 250000 | 0000041 | 0000930 | 0000942 | 0000947 | 1007959 | 0000950 | 0000000 | 9540071 | 1440370 | 000000 | 0000955 | 1560000 | 0411957 | 0000920 | 0000943 | 0500951 | 0000959 | 0214961 | 1217982#1058:984 | 0702985H11870189 | 04:4984M::167368 | 0414784011167168 | 021410401141400000000000000000000000000 | 6762111E986110 8969111E986110 | 041484M11166858 | 0414984811166768 | 04:4984X:1166668 | 0414984H11166568 | 0414984811165468 | 8323411M884140 | 0414924M11166168 | 0405984K1116606B | 0404984H11165968 | 0494984811165967 | 0000939 | 0000551 | 0000946 | 0000743 | 00009B/ | 186000 | 1200942 | 0000943 | 9460090 | 0903952 | 0800952 | 0800952 | 0400943 | 0000967 |
| 3 | 107 LX | _ | | | ? ; |) | | | C | 116 L | 114 - | :02 | 117 | - F | 102 L | 112 | 106 LA | 113 1 | 100 L | za C | 110 L | | 107 لــــــــــــــــــــــــــــــــــــ | 984 | | _ | | 140 04 | 7 7 64 CX | K7 898 | 768 LX | 668 LX | | 168 LX | 4 1 84 LT | | X1 890 | | | | 106 A | 92 : P : | |) (· | # CD | 123 | 106 C | 8 | | 97 L | 1 6 | 151 | 2 80 |
| | D | . | . . | (| 22 9 | 2 5 | > | : 52 | = | _ | ₽: | 2 9 | 2 S | 2 9 | 3 5 | : == | <u>=</u> | | <u></u> | = | 2 | = | === | 2 | 2 | 2 | 2 2 | 2 5 | 2 2 | 2 52 | 12 | 몯 | 2 | 2 5 | 2 2 | 2 2 | 2 | 2 | 2 | = | | Z : | 2 3 | - H | Ė | : 5 | 2 | 9 | S | ; ≅ | ₽ | 2 | 2 |

| 163 | 163 | 161 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | lė3 | 163 | 163 | 163 | 163013 | 163 | 163 | 161 | 163 | 163 | 161 | 163 | £63 | 163 | :63 | 141 | 163 | 163 | 163 |
|-------------------------------------|------------------------------|--------------------------|--------------------------|--------------------------|------------------|-------------------------|---------------------|----------------------------|----------------------|-------------------------|--------------------------|------------------------|------------------------|--------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|----------------------|------------------------------|-------------------------|-------------------------|-------------------------|------------------------|----------------------|-------------------------|-------------------------|------------------------|
| OZNIOW355AUP OIL AND READY CONCRETE | 02NIOH345FCDRPS OF ENGINEERS | 02N10W3428PHILLIPS PETRO | 02NION342FPHILLIPS PETRO | 02NICH342FPHILLIPS PETRO | 02KLONSA US EDVT | 02N10N34 PHILLIPS PETRO | 02N10H333FH9BIL OIL | 02N10N331FCARSILL ELEVATOR | 02N10N306SAP SEGCERY | 02N1CH273HHQNSANTO CHEN | 02N10W2735HIGNSANTO CKEH | 02N10H27 NONSANTO CHEK | 02H10H27 HONSANTO CHEM | 7602NIOW27 HONSANTO CHEK | CZNIOWZ68AKIDKEST RUBBER | OZNIONZABACLAYTON CHEN CO | OZNIONZABACKAYTON CHEM CD | 02N10N2668HIDNEST RUBSER CO | 02K10#26500ARLI## CO | 02K10W265DCERRC COPPER BRASS | 02N10#264SHORSANTO CHEM | 02N10W264FHONSANTO CHEH | 02W10W264EHOMSANTO CHEM | C2N10H264DLEWIN MATHES | 02N10W26SHAM ZIMC CO | O2R10R263GHCNSRRTO CHER | 02N10#2&3SHONSANTO CHEM | 024109263DLEWIN MATHES |
| ST CH DRILL | | | RUESTER | LAYNE WESTERN | | MATSON | FUESTER | NATSON | HATSON | RANNEY | LE#8 | RANNEY | RANNEY | RANKEY | LUKR | ST CH DRILL | ST CH DRILL | THORPE | | LUHR | | | | KATSON | WATSON | | | |
| 1107977#068630103 L | 1015947 102 L | | 0428978N072589102 L | 0500978 :00 IC | | 0000000 23 L | 0217984N11117196 L | | 0500946 120 L | | 0600959 :01 L | 0826952 97 L | 0801952 99 1 | | 09069684004849115 LC | 0412976504548078 L | 0225983H10620890 L | 0300951 112 LC | 0000939 76 LC | 0000970 111 CI | 0200943 104 LC | 1000939 105 LE | 0000947 109 C | 0600948 101 L | 0100942 105 LC | 1000939 105 LC | 0100942 110 LC | 0000942 110 C |
| 9 | 3 | 2 | 25 | 9 | 2 | 2 | = | <u> </u> | 9 | ¥ | Z | Ħ | ¥ | × | 2 | 2 | 2 | 달 | 2 | ¥ | Z | Z | × | 2 | £ | ¥ | ¥ | 2 |

APPENDIX F IEPA SITE PHOTOGRAPHS

